

FIG. 1

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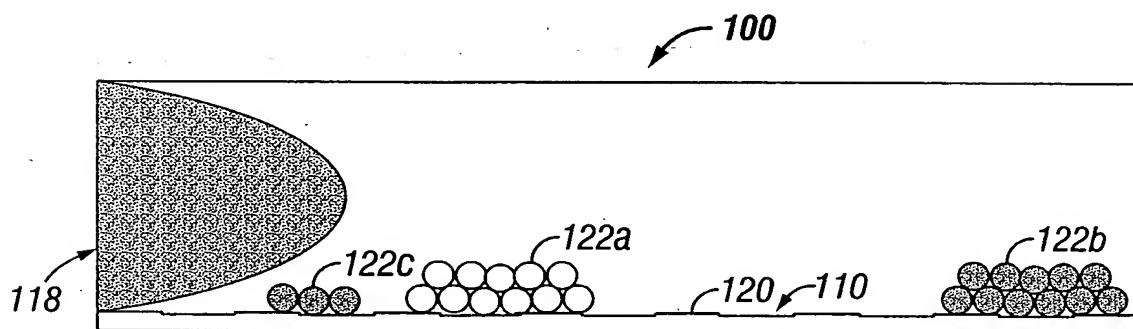


FIG. 2

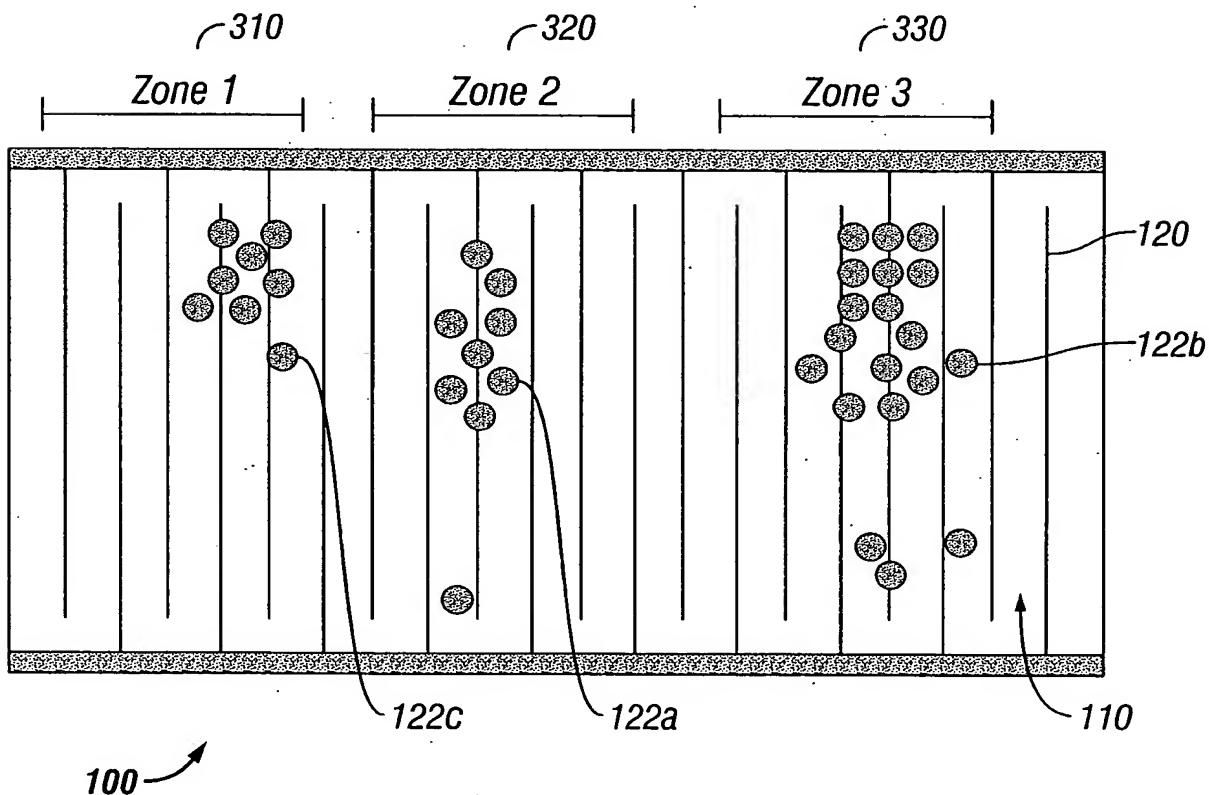


FIG. 3

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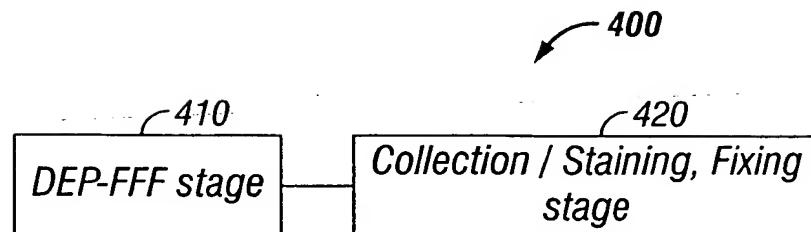


FIG. 4

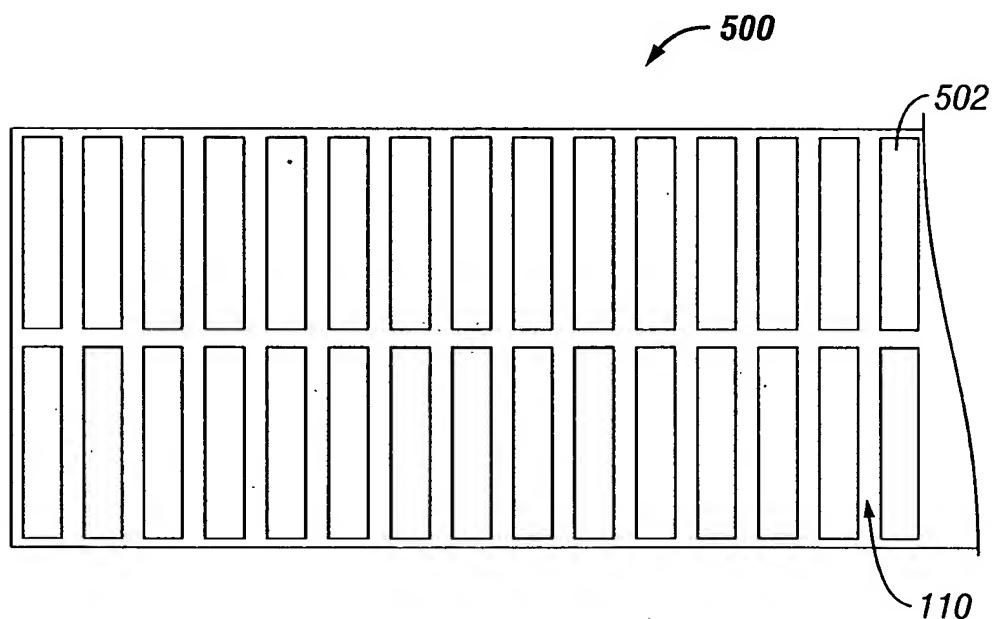


FIG. 5

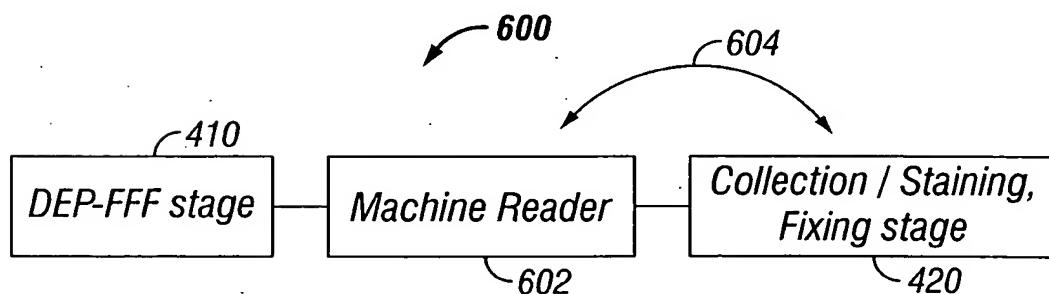


FIG. 6

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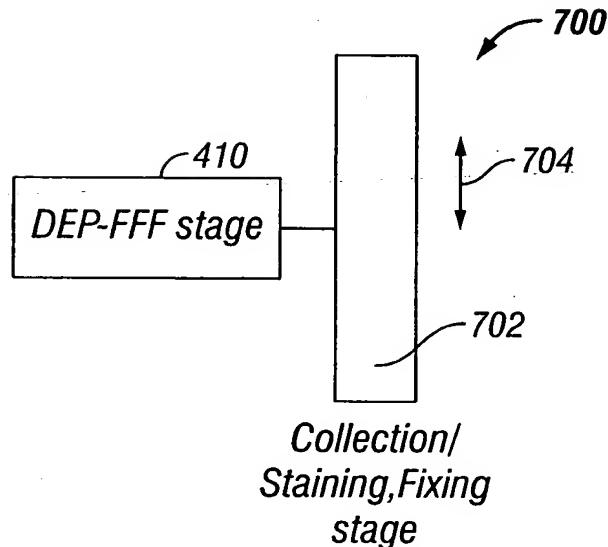


FIG. 7

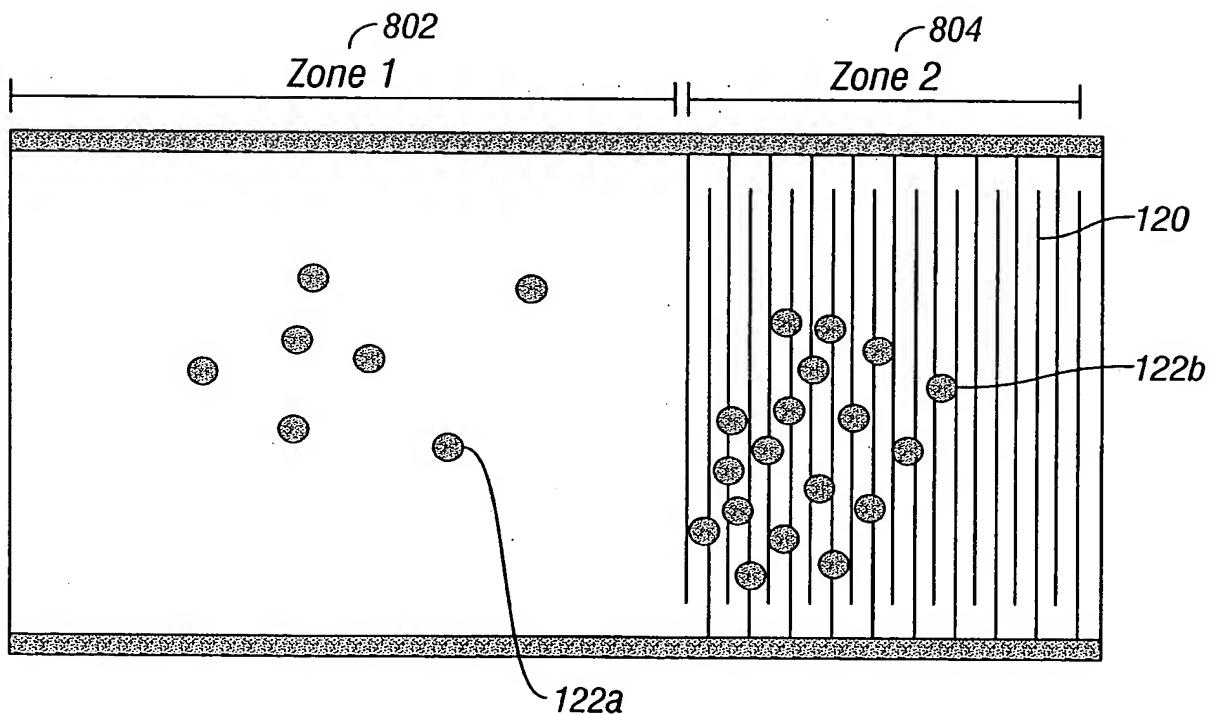


FIG. 8

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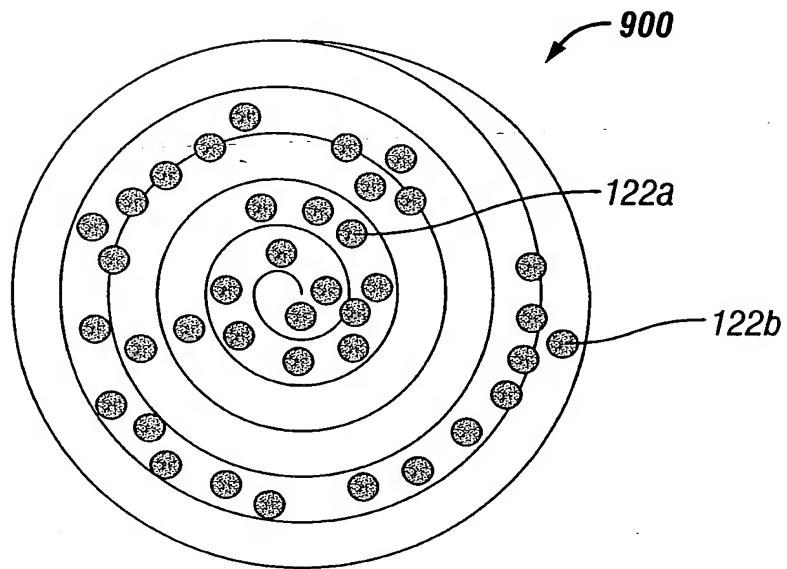


FIG. 9

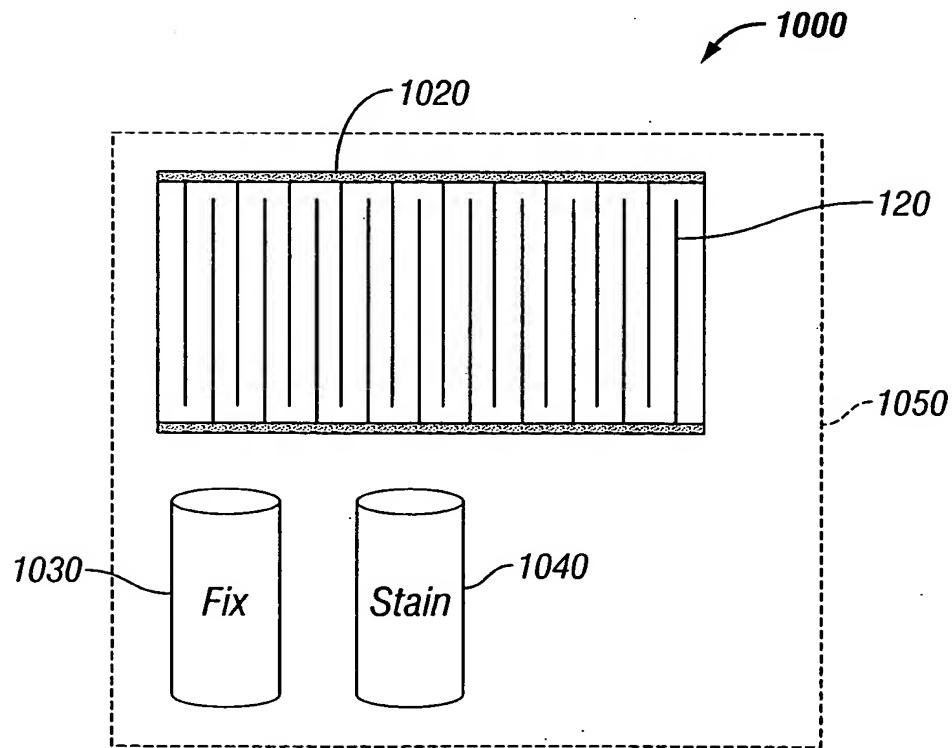


FIG. 10

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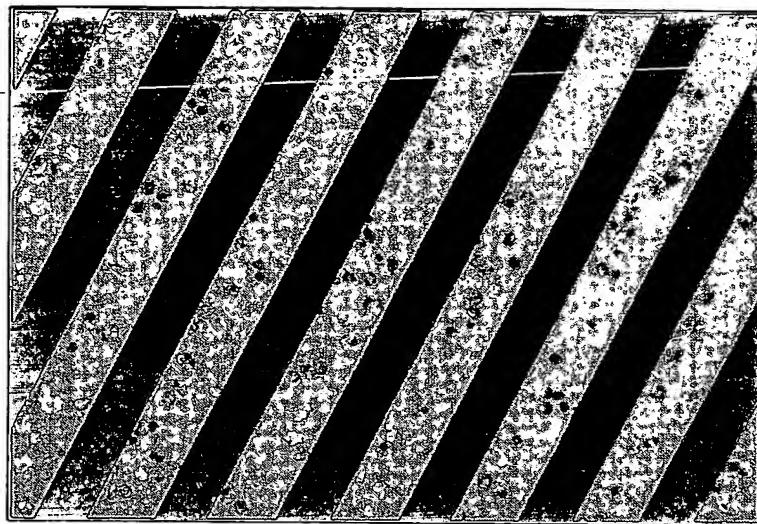


FIG. 11

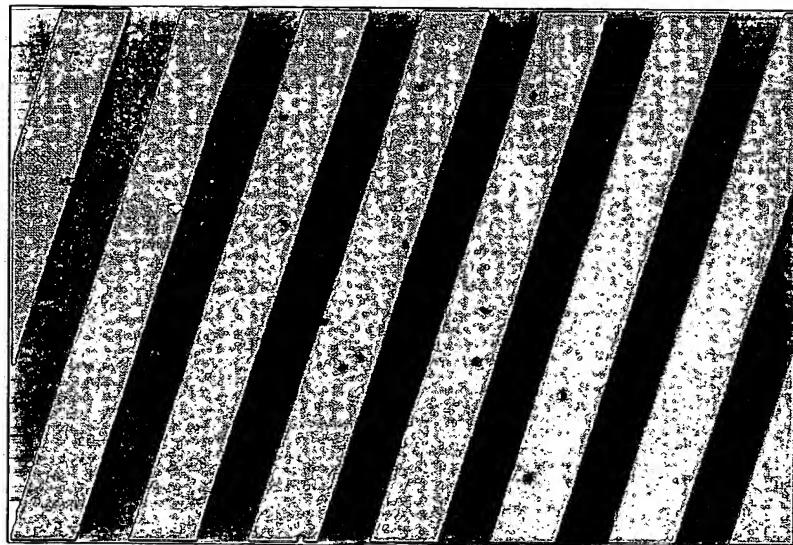


FIG. 12

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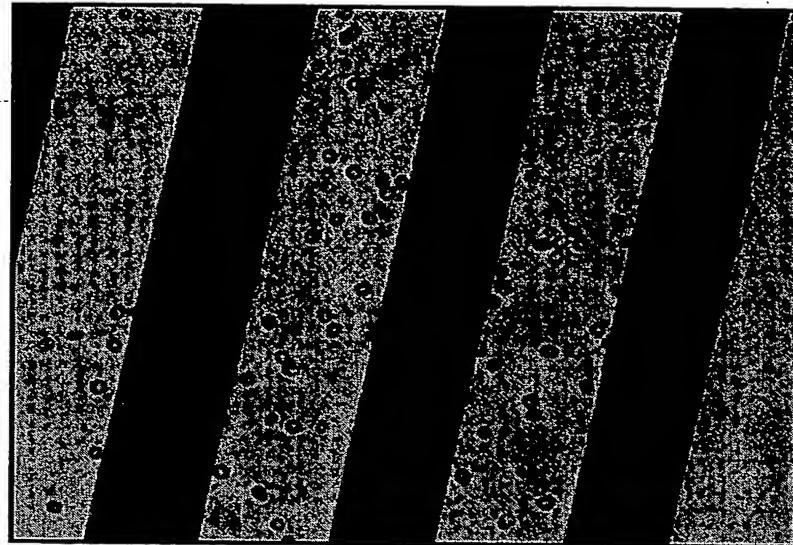


FIG. 13

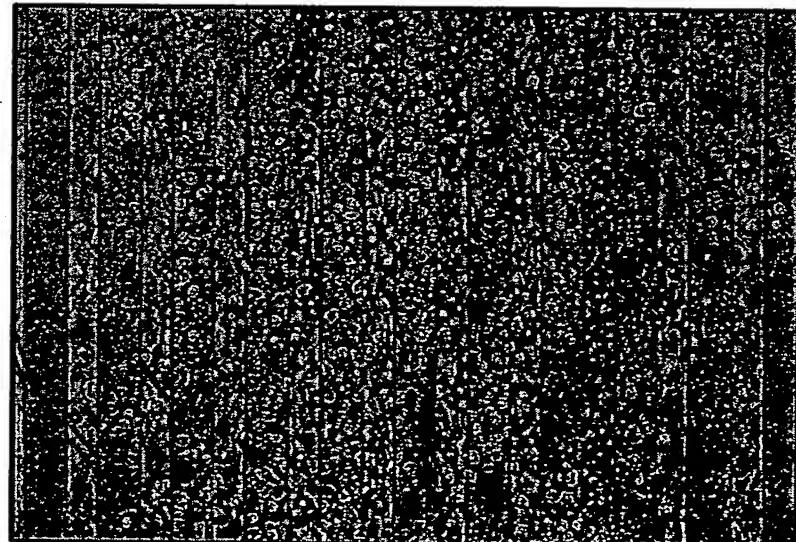
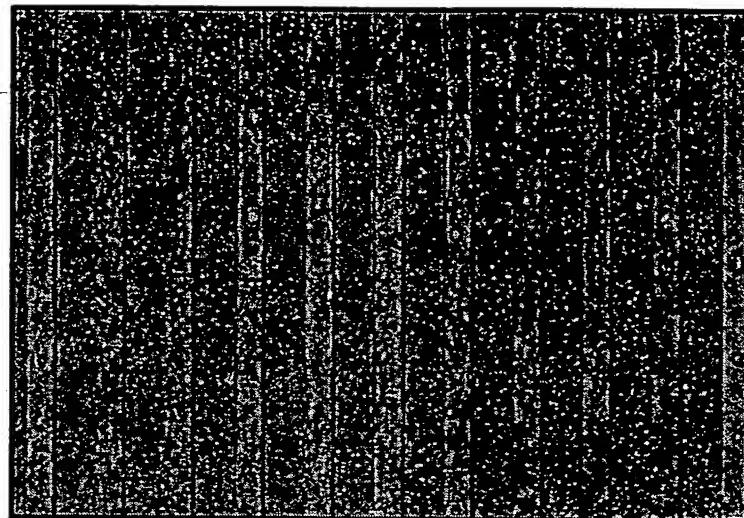
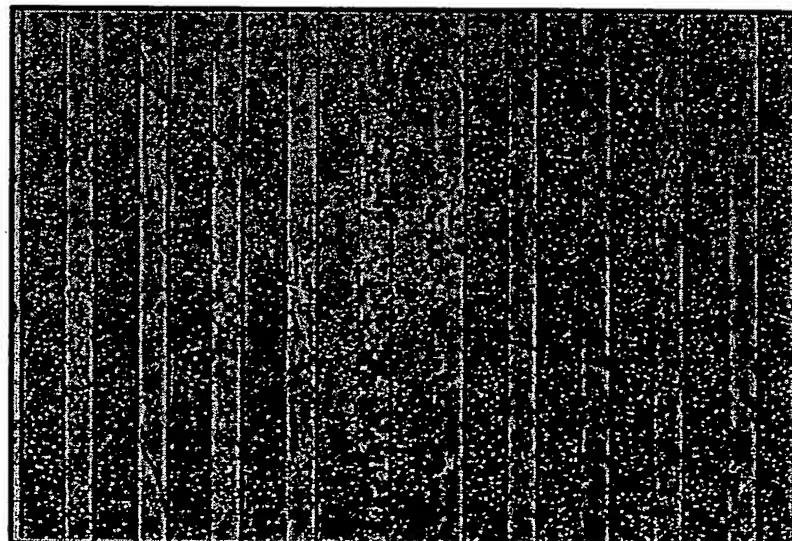


FIG. 14

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**FIG. 15**



**FIG. 16**

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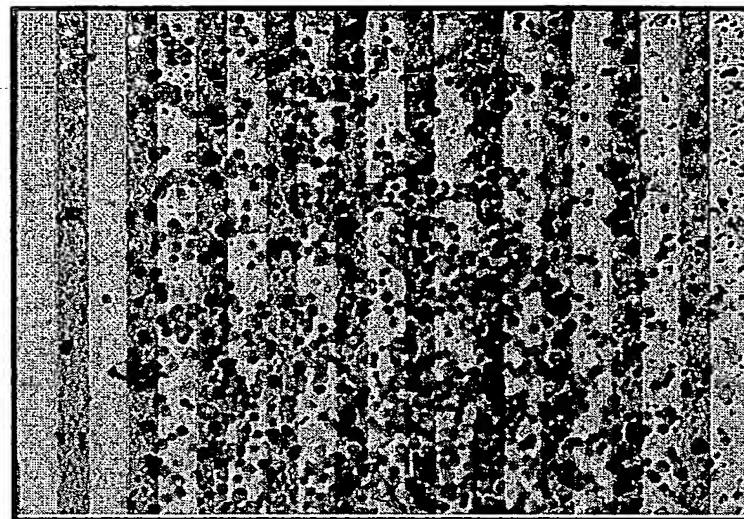


FIG. 17

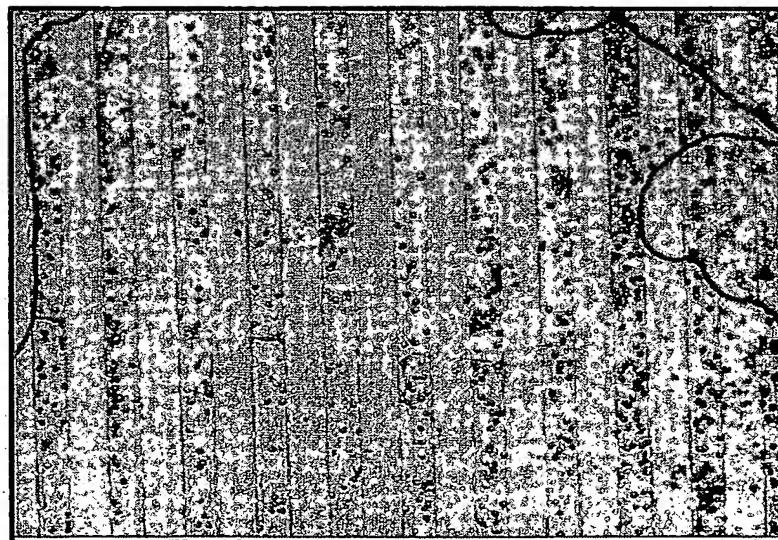


FIG. 18

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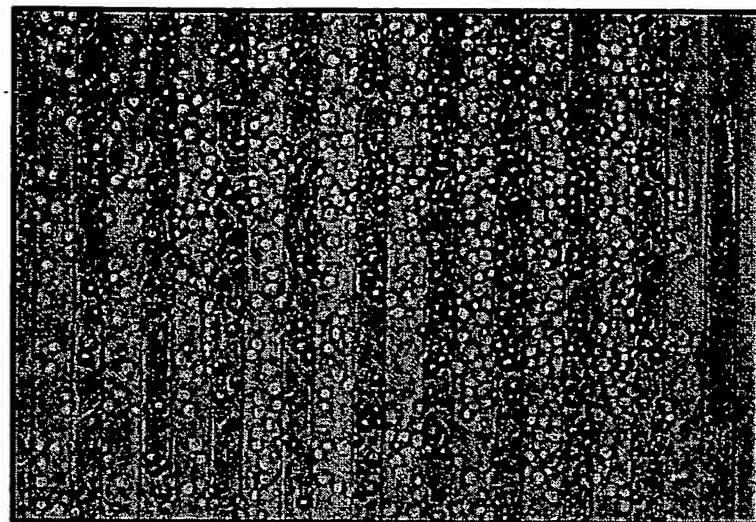


FIG. 19

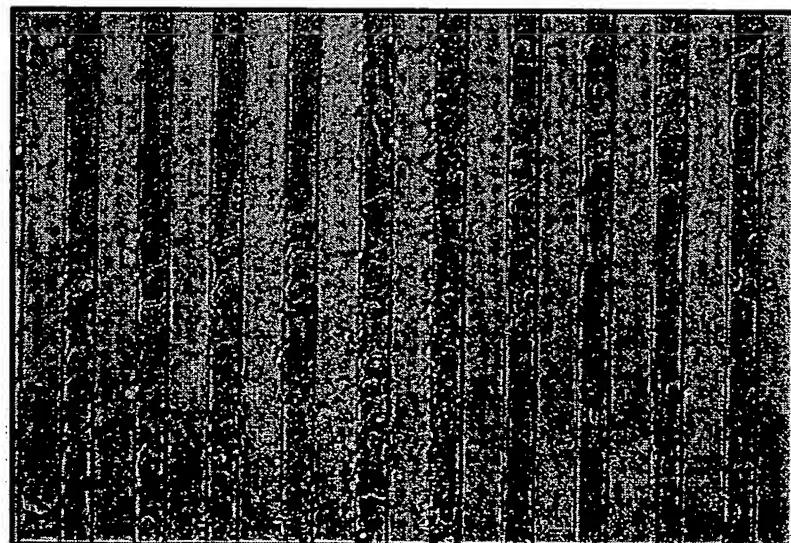


FIG. 20

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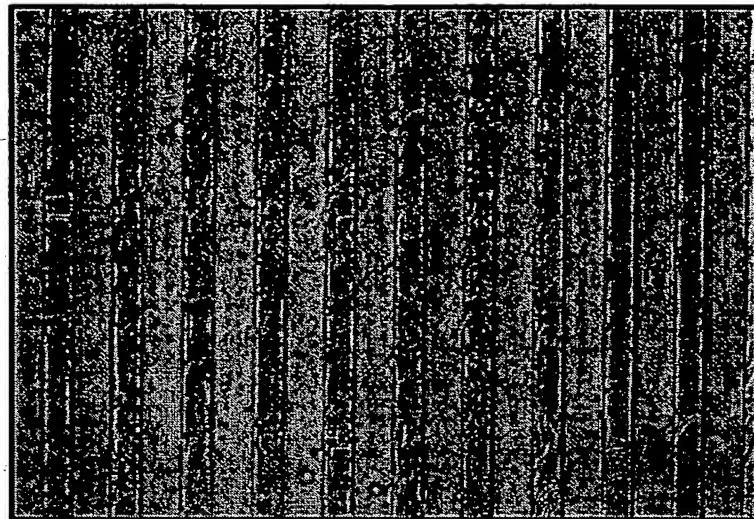


FIG. 21

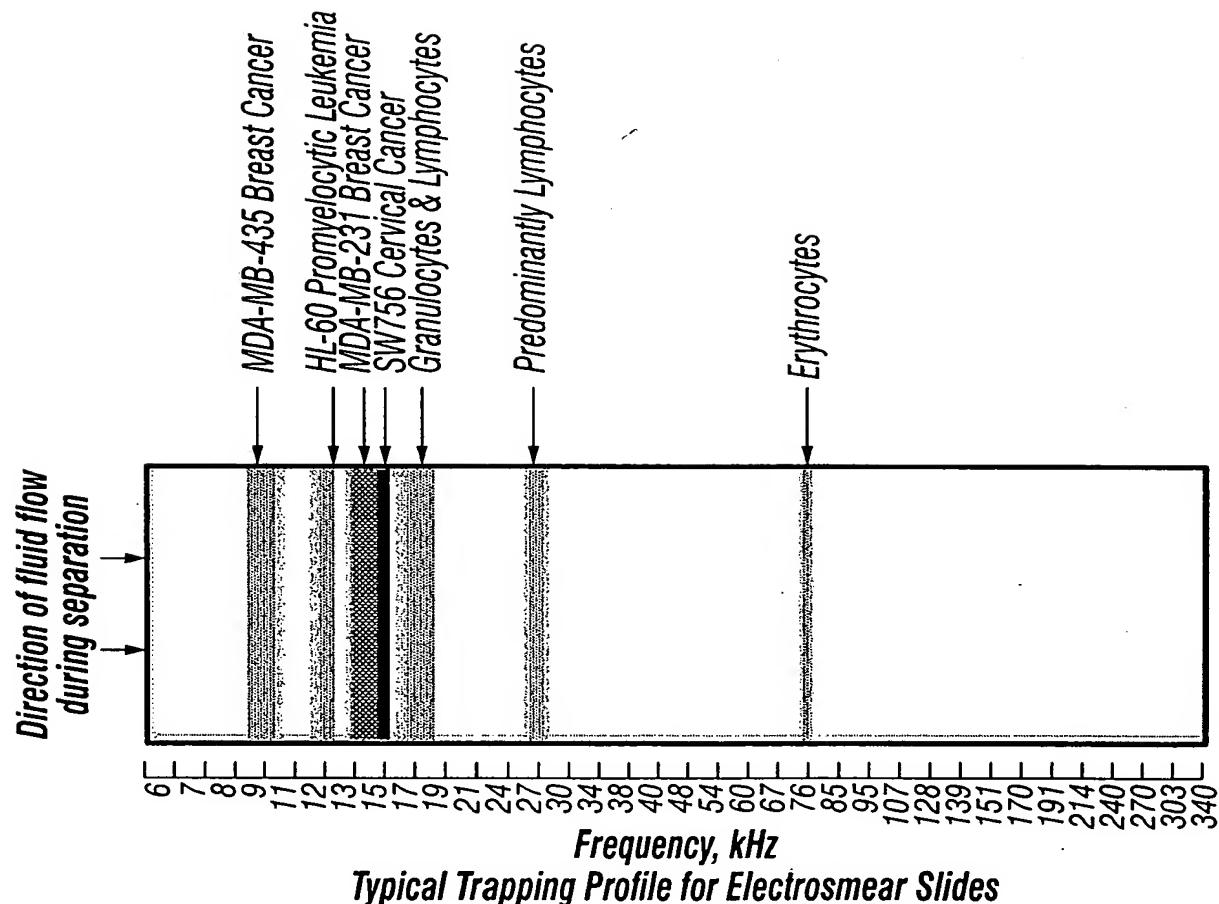


FIG. 22

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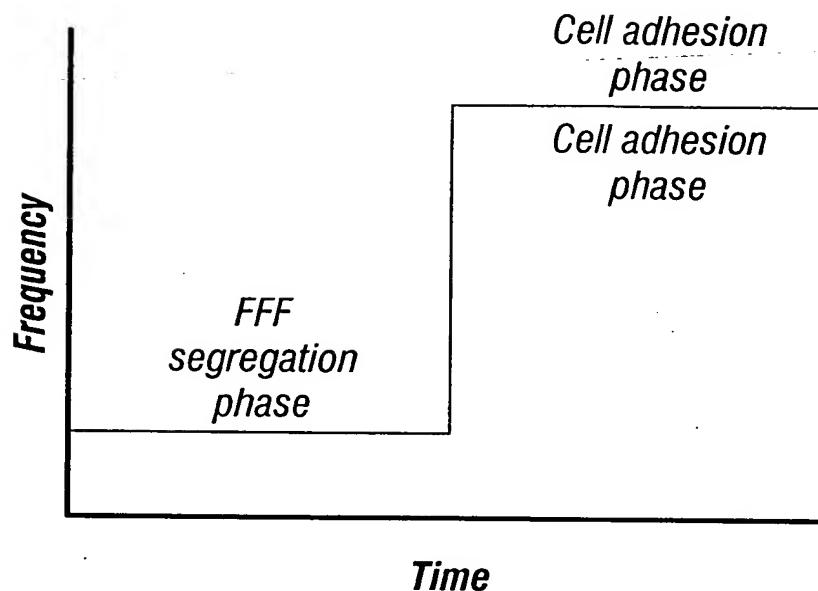


FIG. 23A

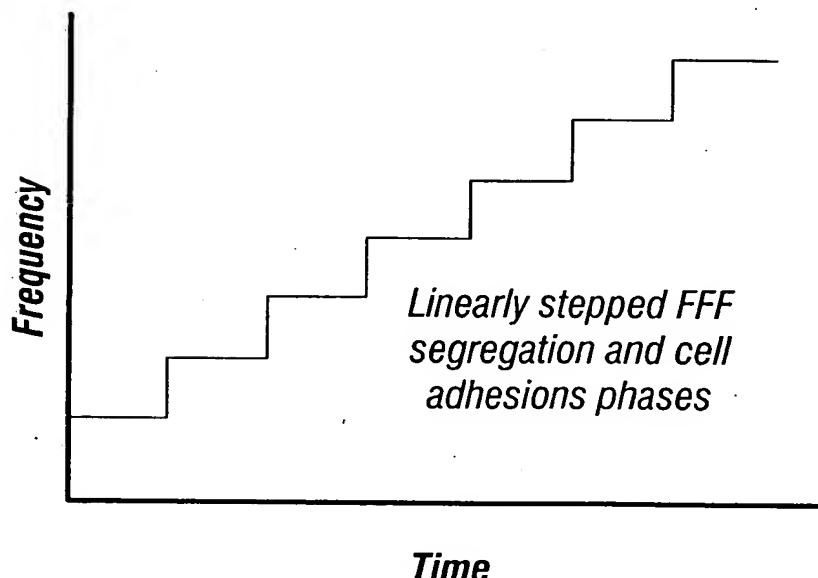


FIG. 23B

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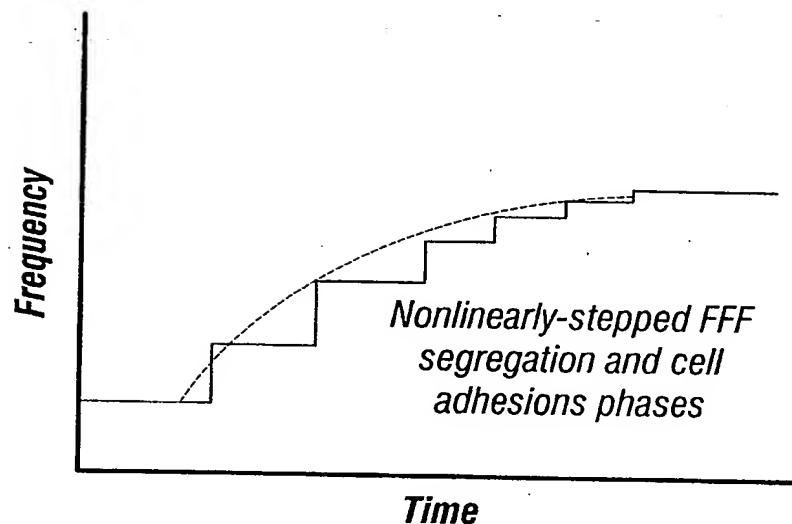


FIG. 23C

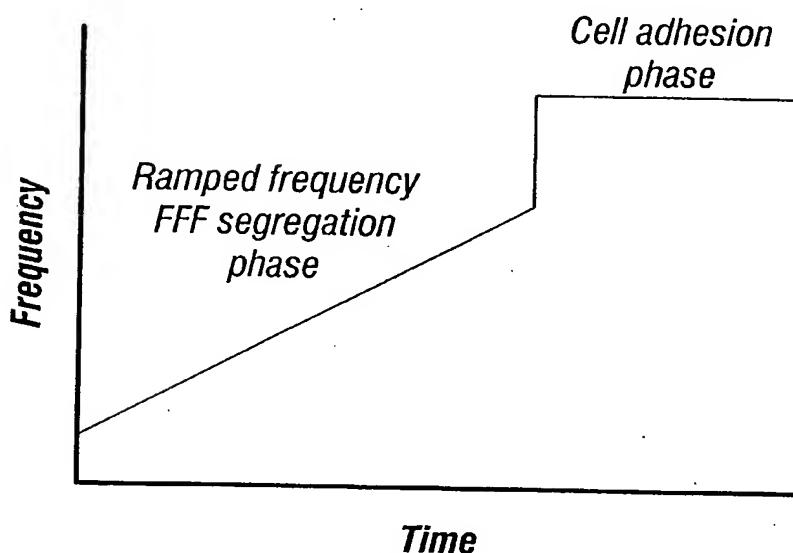
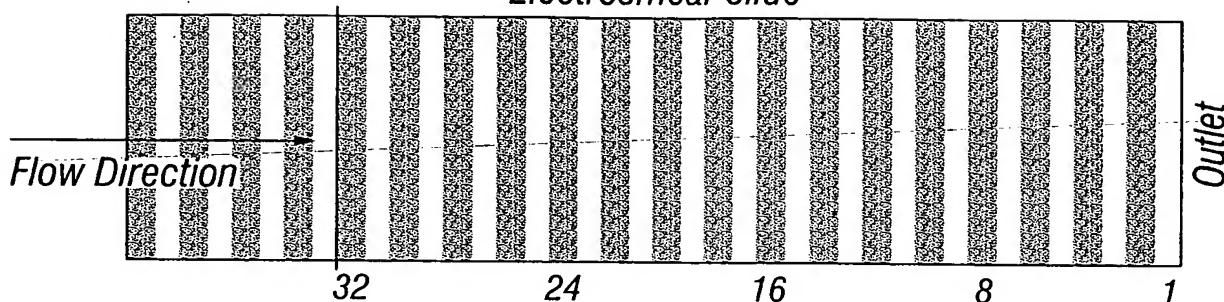


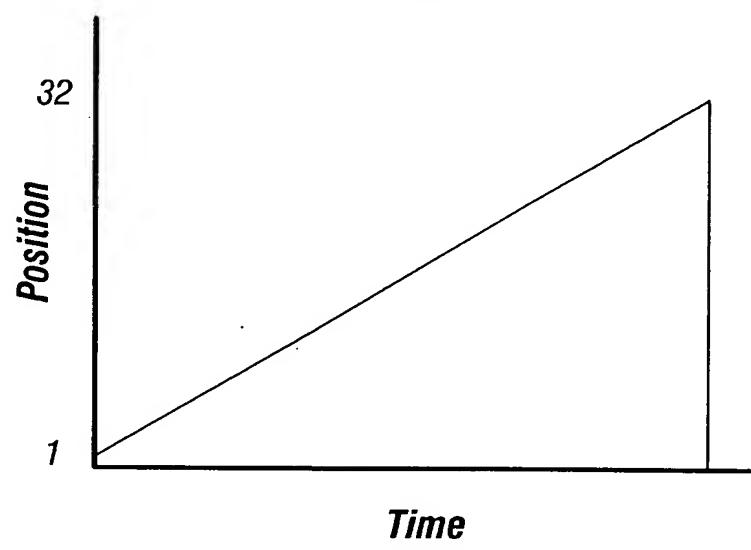
FIG. 23D

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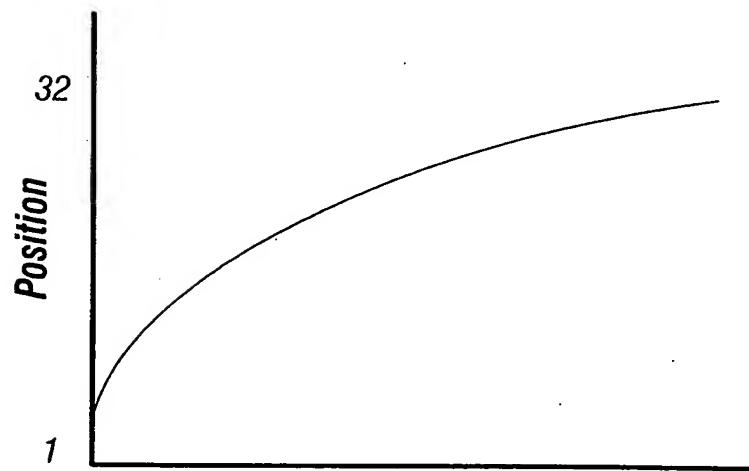
*Electrosmear slide*



*Electrode position*  
**FIG. 24A**

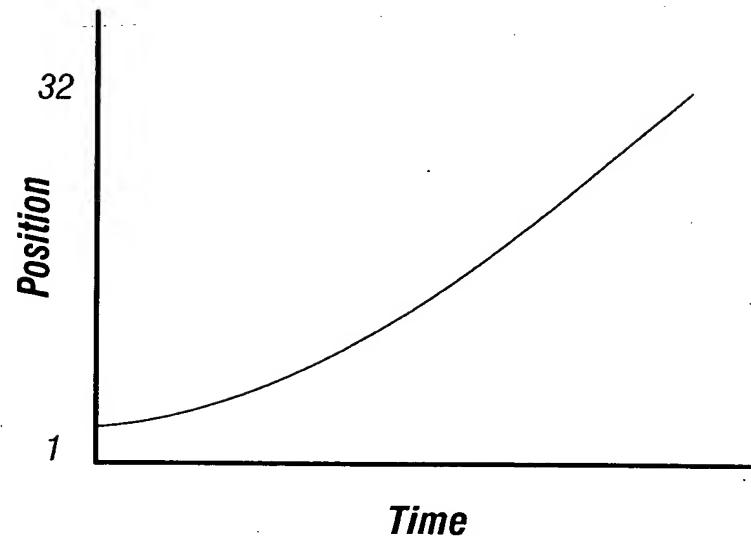


**FIG. 24B**

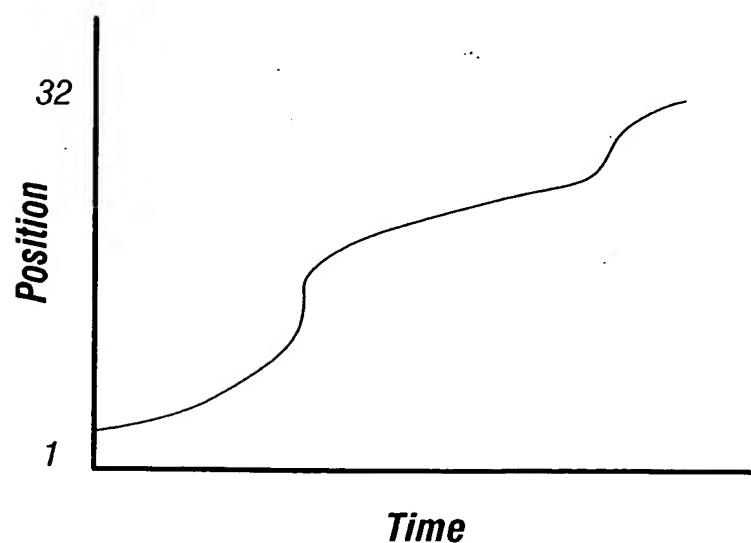


**FIG. 24C**

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**FIG. 24D**



**FIG. 24E**

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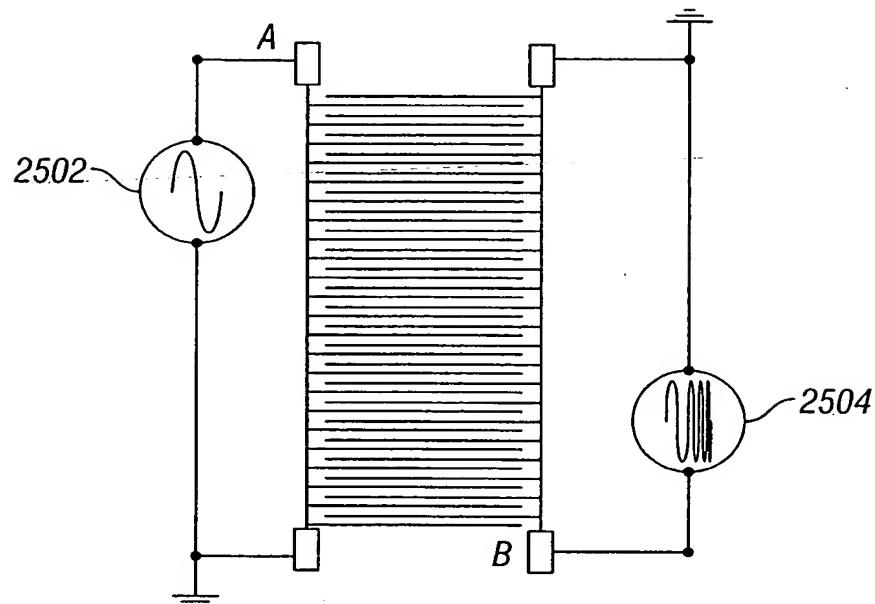


FIG. 25A

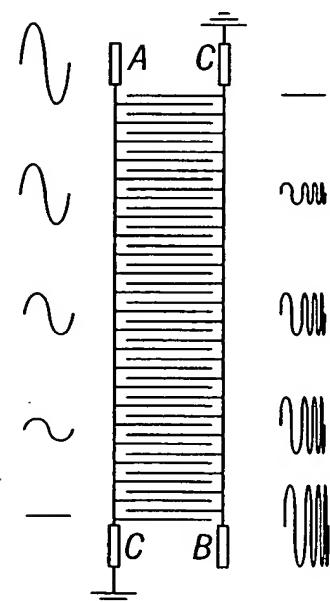


FIG. 25B

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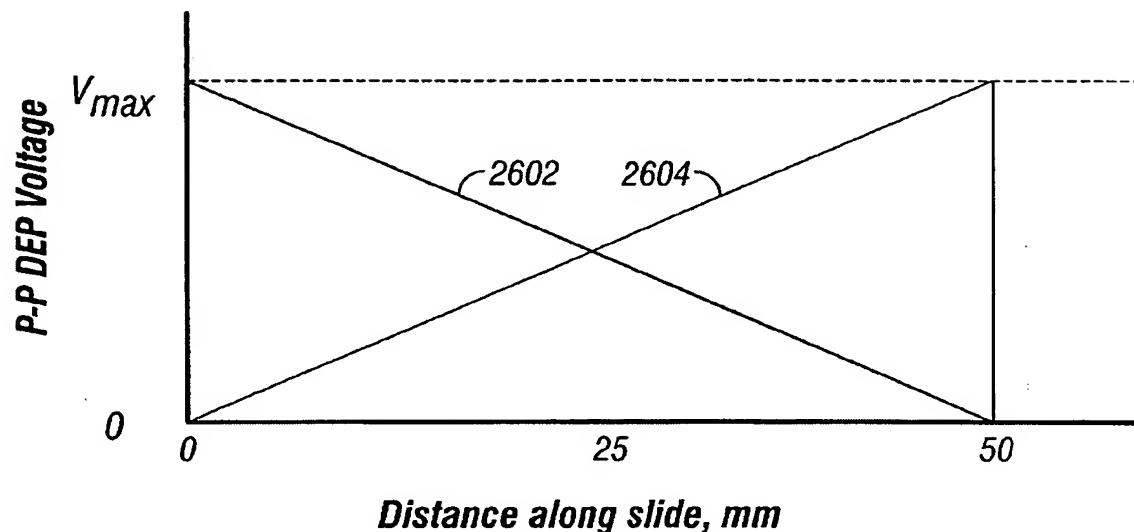


FIG. 26A

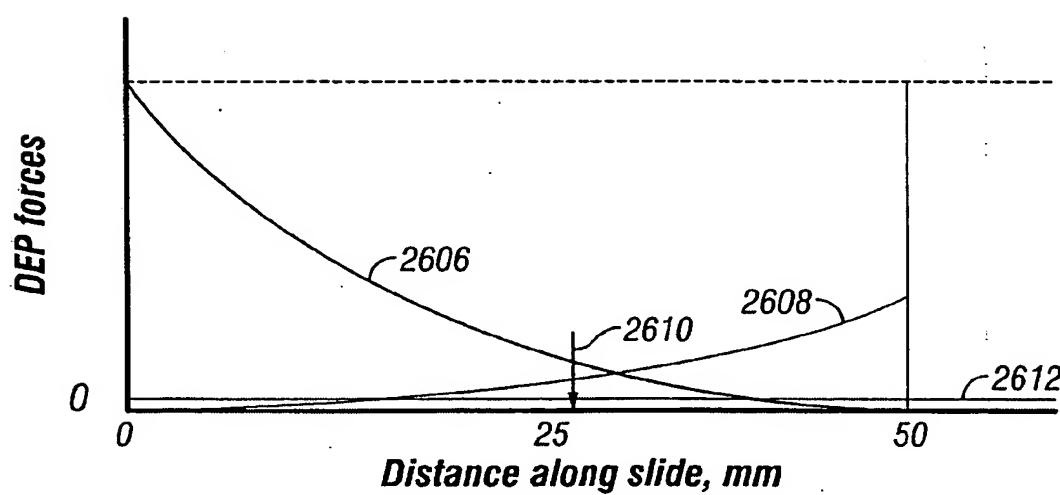


FIG. 26B

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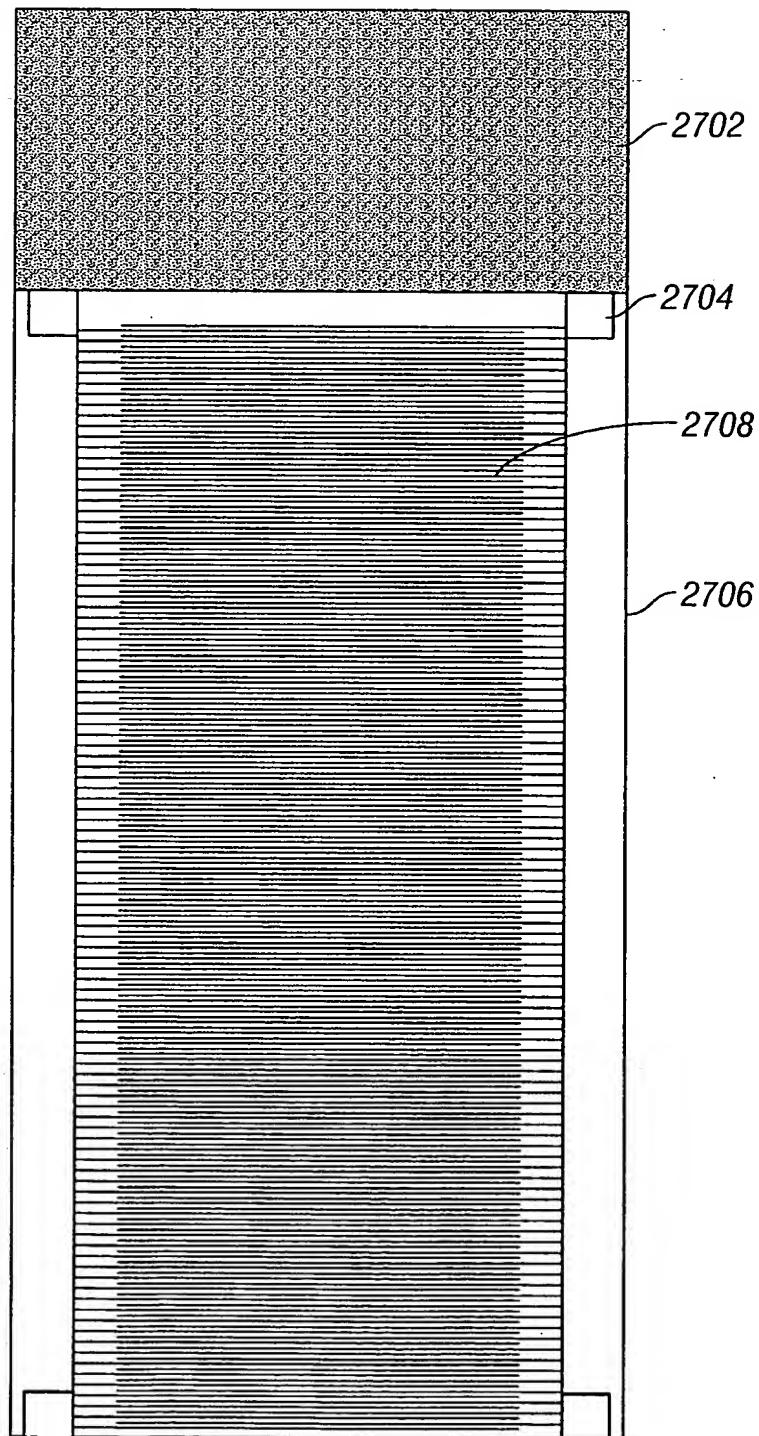


FIG. 27

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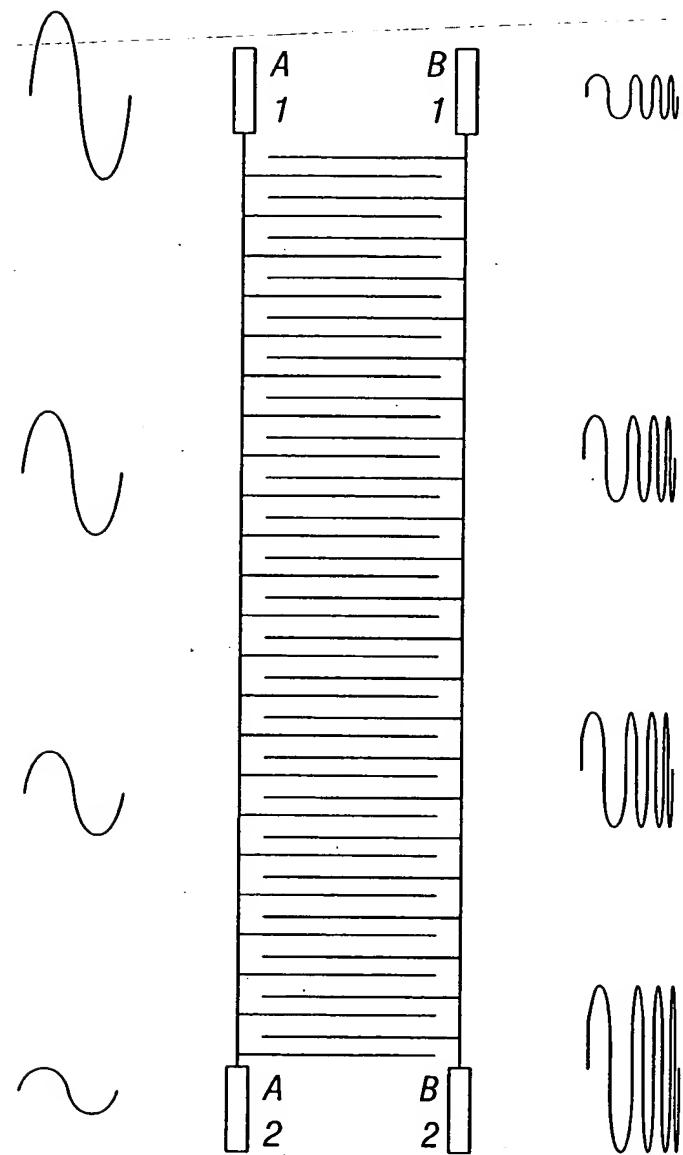


FIG. 28

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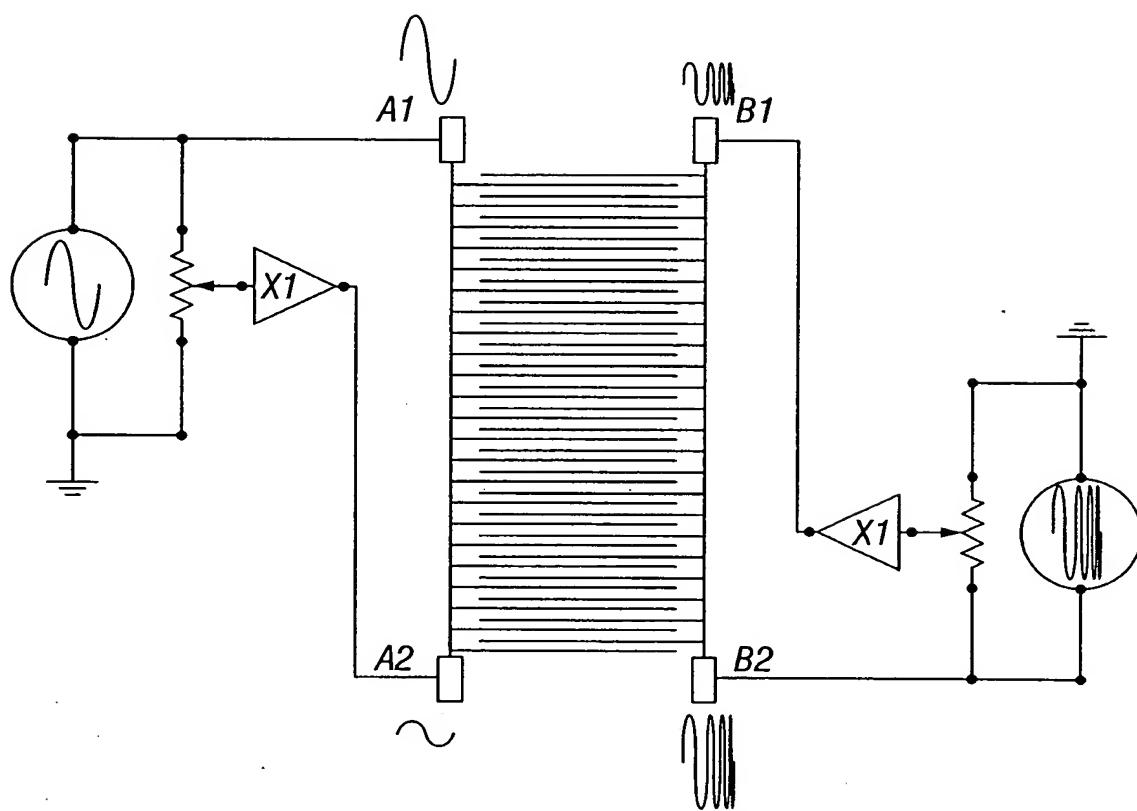


FIG. 29

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$F_{min} = 40 \text{ kHz}$

FM: 10 kHz to 398 kHz

$V_{max} = 3 \text{ V}$ ,  $V_{min} = 0 \text{ V}$

**Cell Dielectric Characteristics**

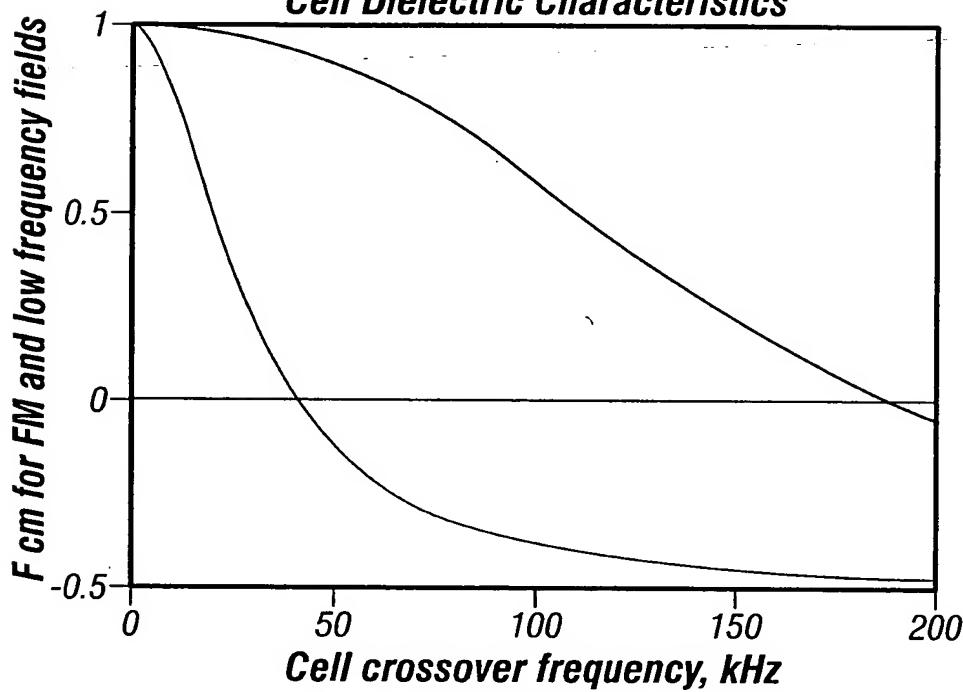


FIG. 30A

**Cell Trapping Behavior on FM Electroshear**

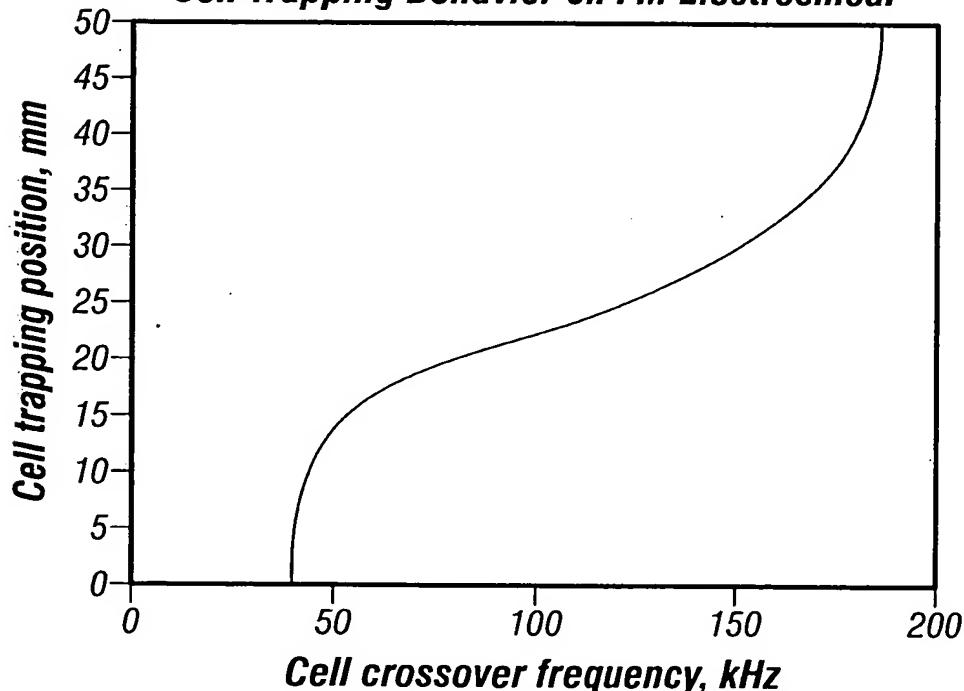


FIG. 30B

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$F_{min} = 40 \text{ kHz}$

FM: 10 kHz to 398 kHz

$V_{max} = 3 \text{ V}$ ,  $V_{min} = 1 \text{ V}$

**Cell Dielectric Characteristics**

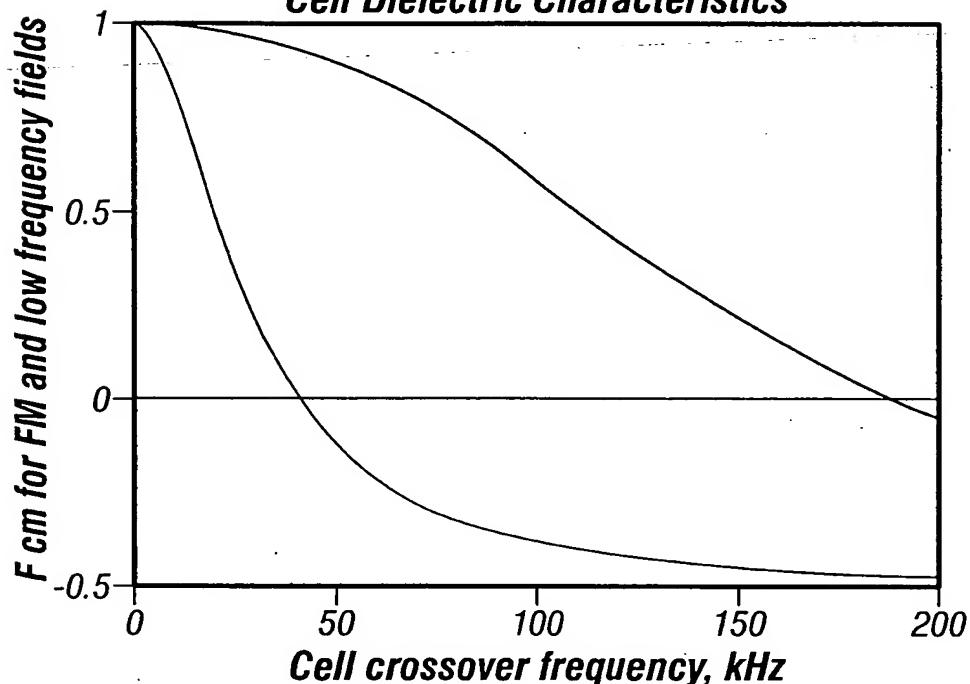


FIG. 30C

**Cell Trapping Behavior on FM Electroshear**

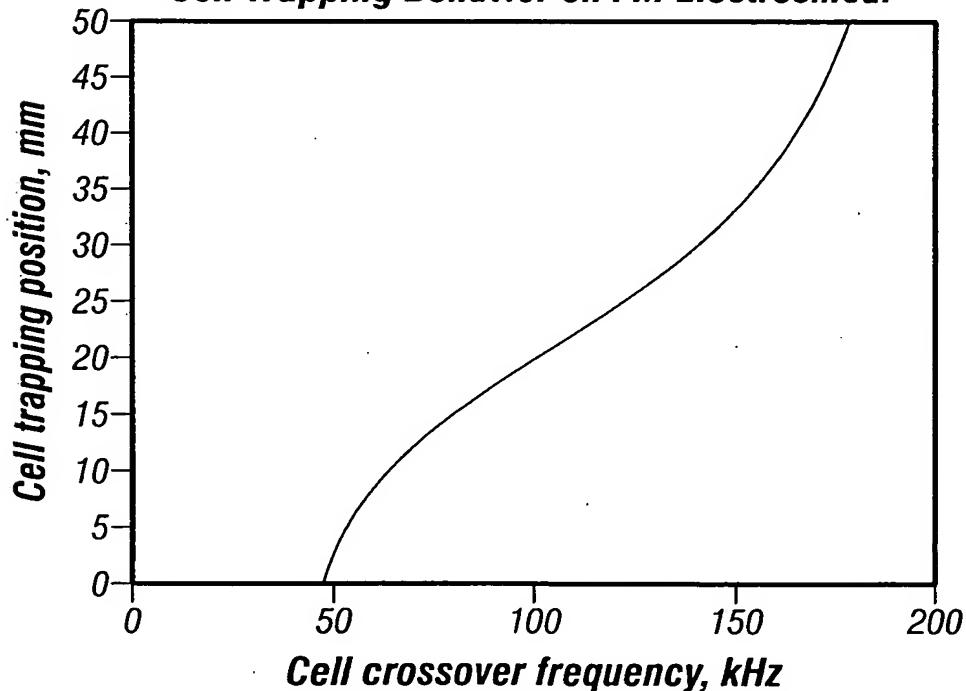


FIG. 30D

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$F_{min} = 40 \text{ kHz}$   $V_{max} = 3 \text{ V}$ ,  $V_{min} = 1.5 \text{ V}$   
 $FM: 10 \text{ kHz}$  to  $200 \text{ kHz}$   $V_{max} = 3 \text{ V}$ ,  $V_{min} = 1 \text{ V}$

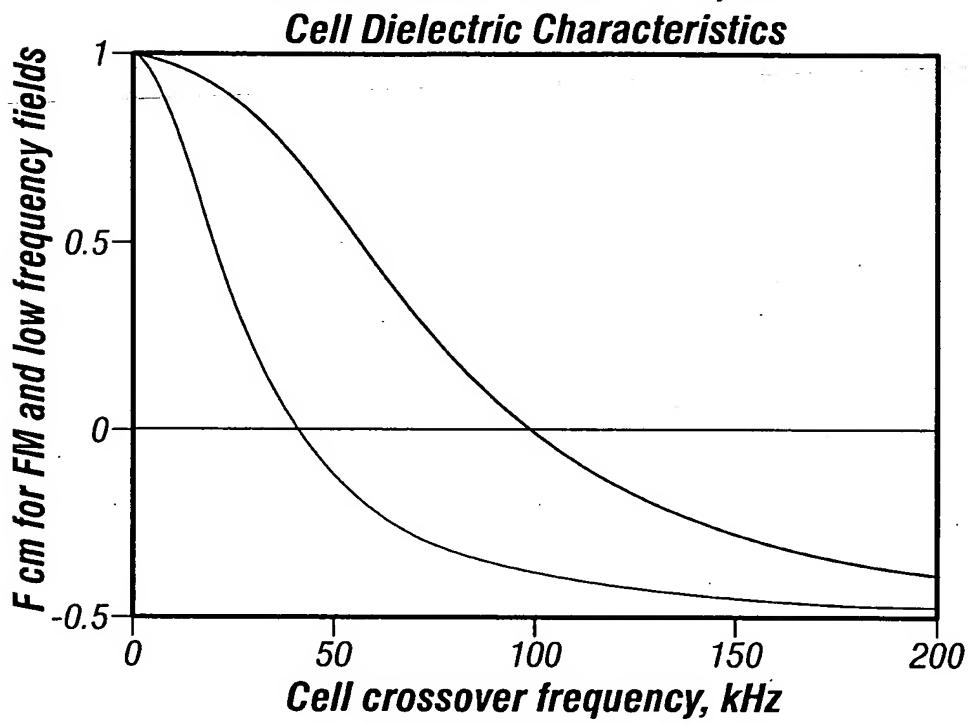


FIG. 30E

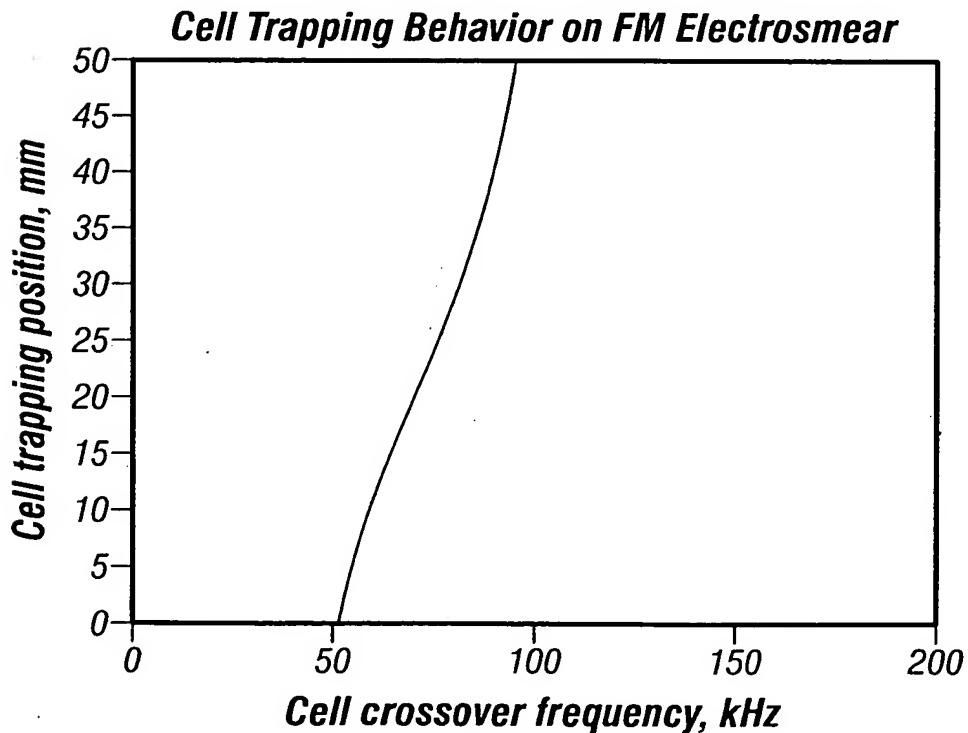


FIG. 30F

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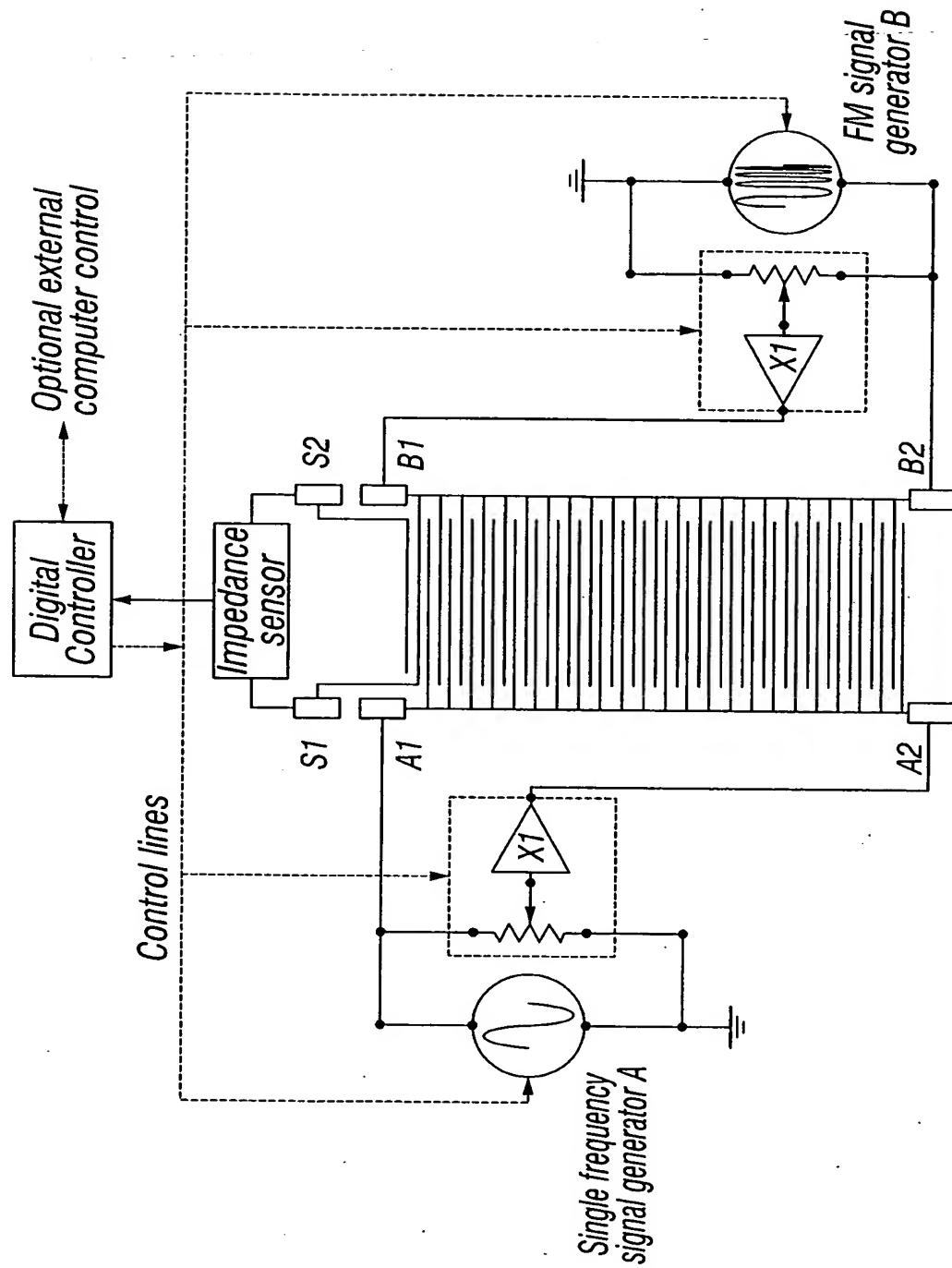
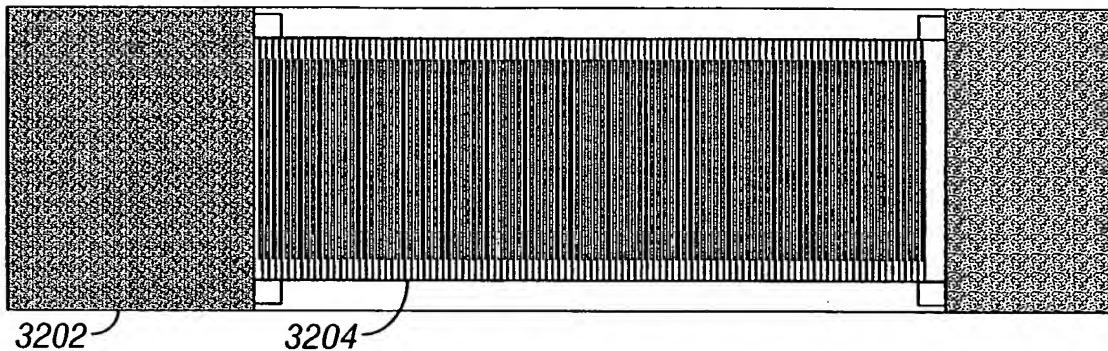
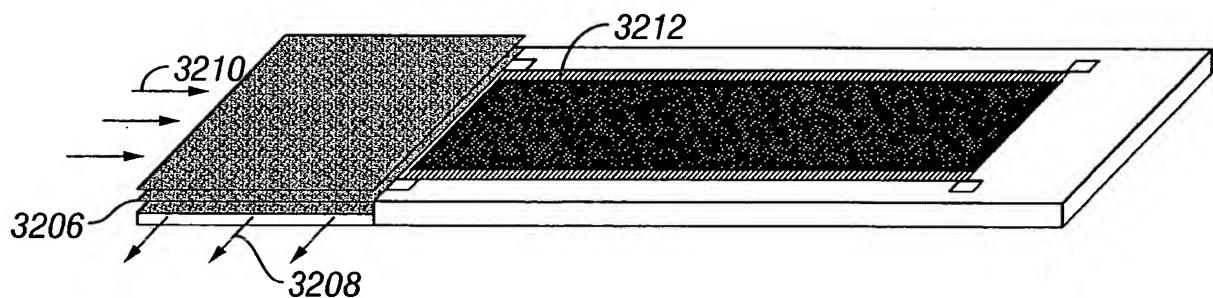


FIG. 31

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**FIG. 32A**



**FIG. 32B**

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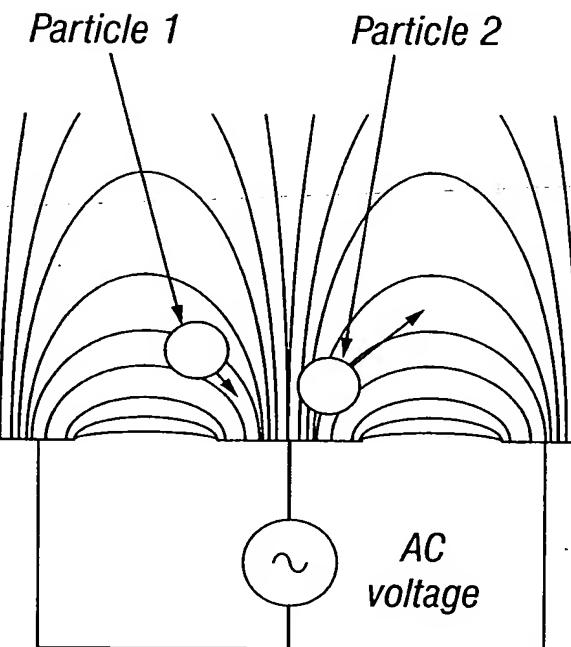


FIG. 33A

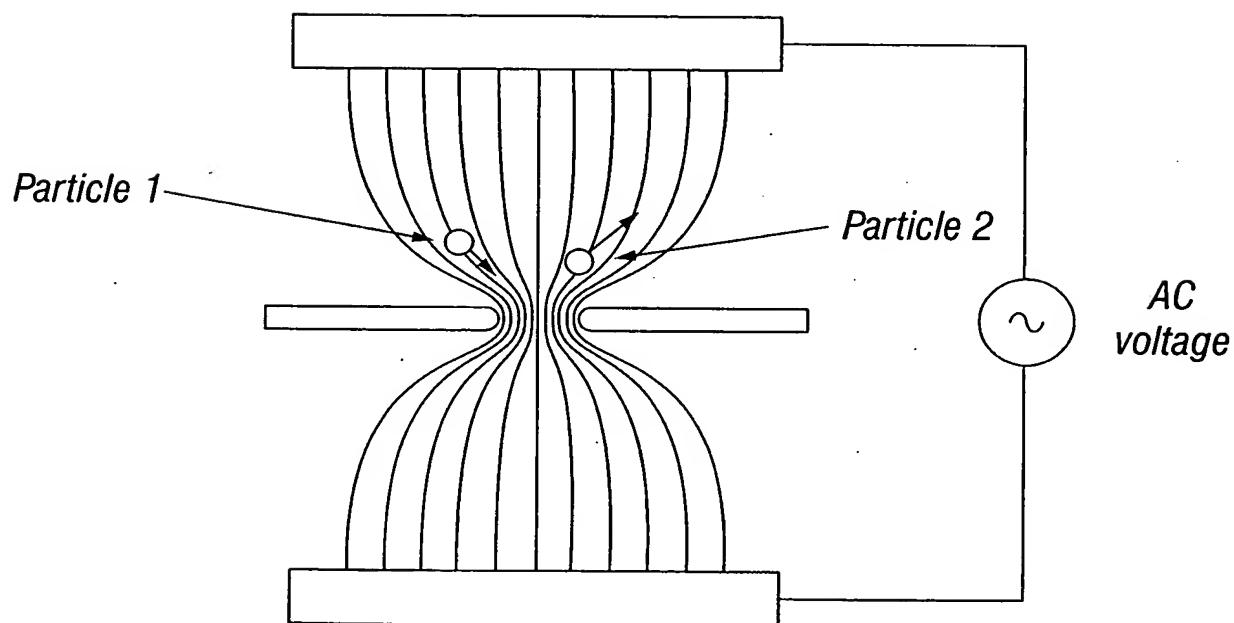


FIG. 33B

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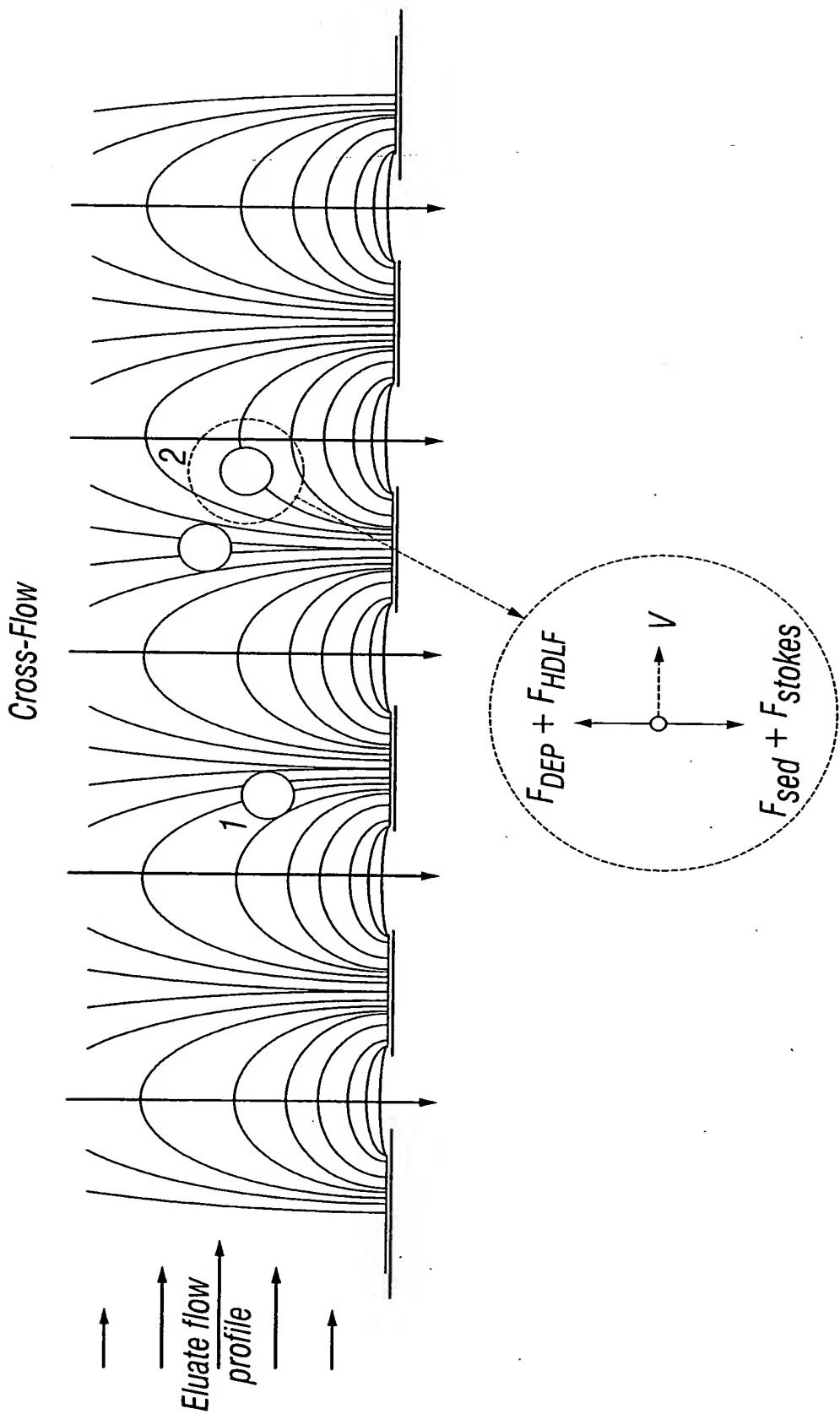
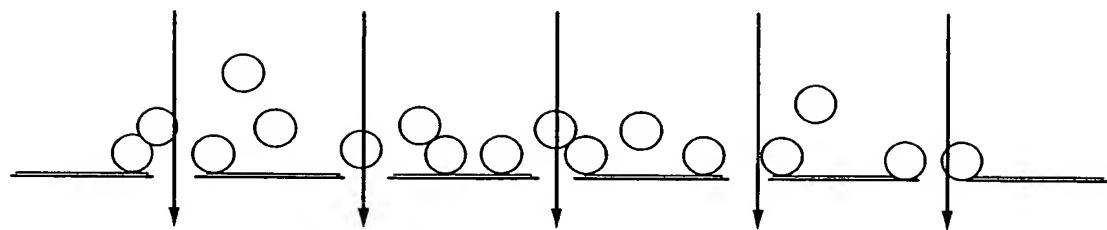
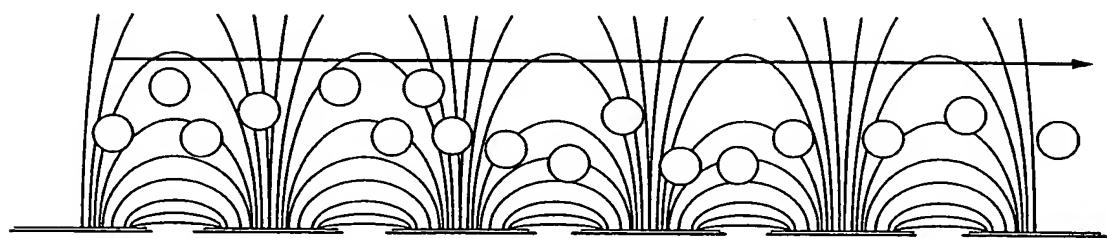


FIG. 34

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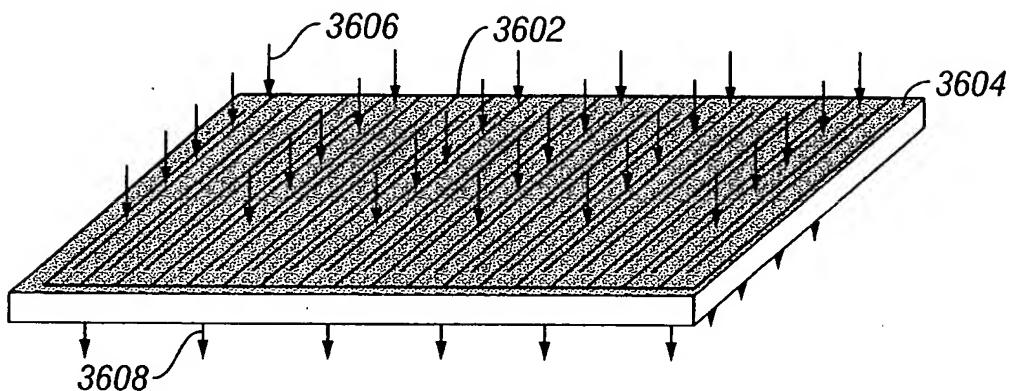


**FIG. 35A**

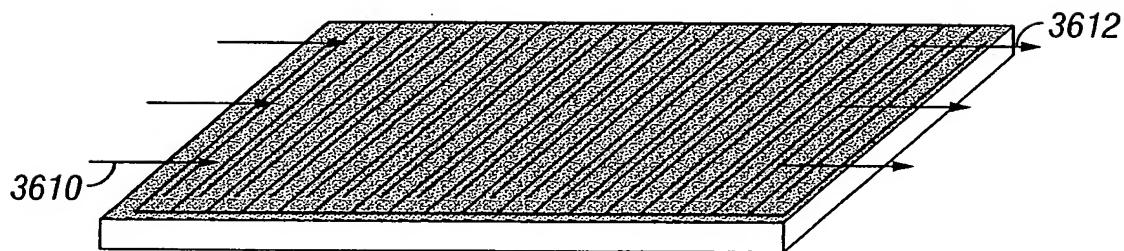


**FIG. 35B**

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**FIG. 36A**



**FIG. 36B**

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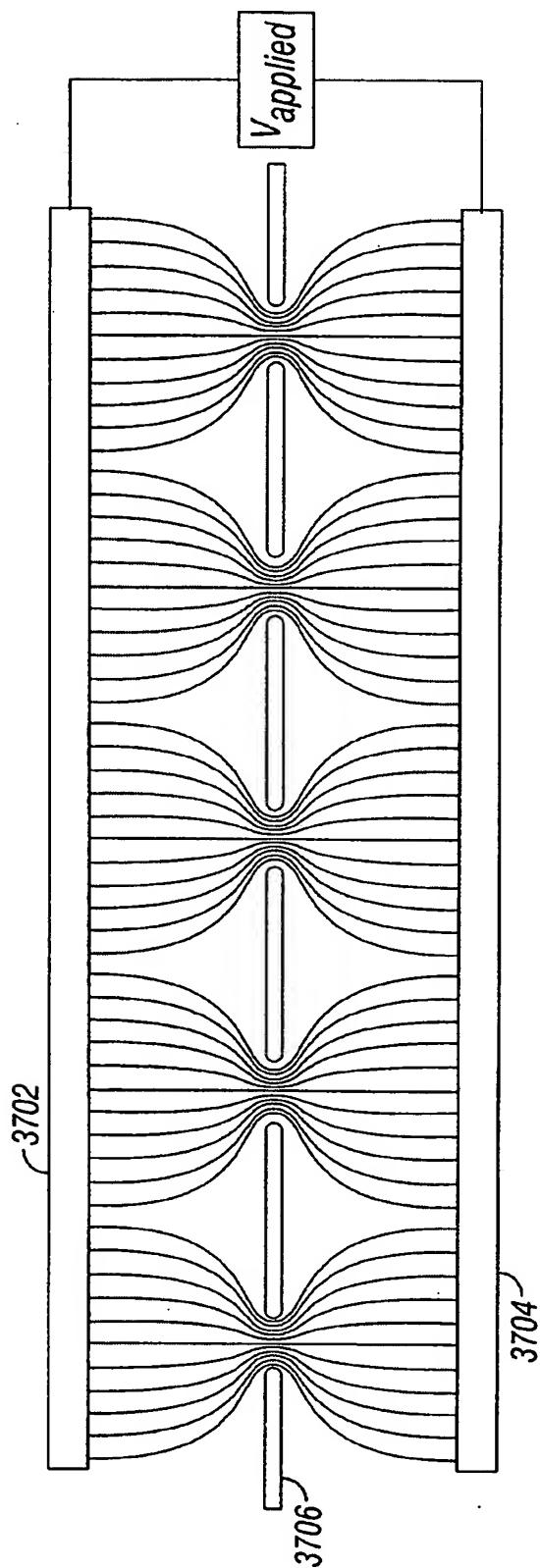


FIG. 37

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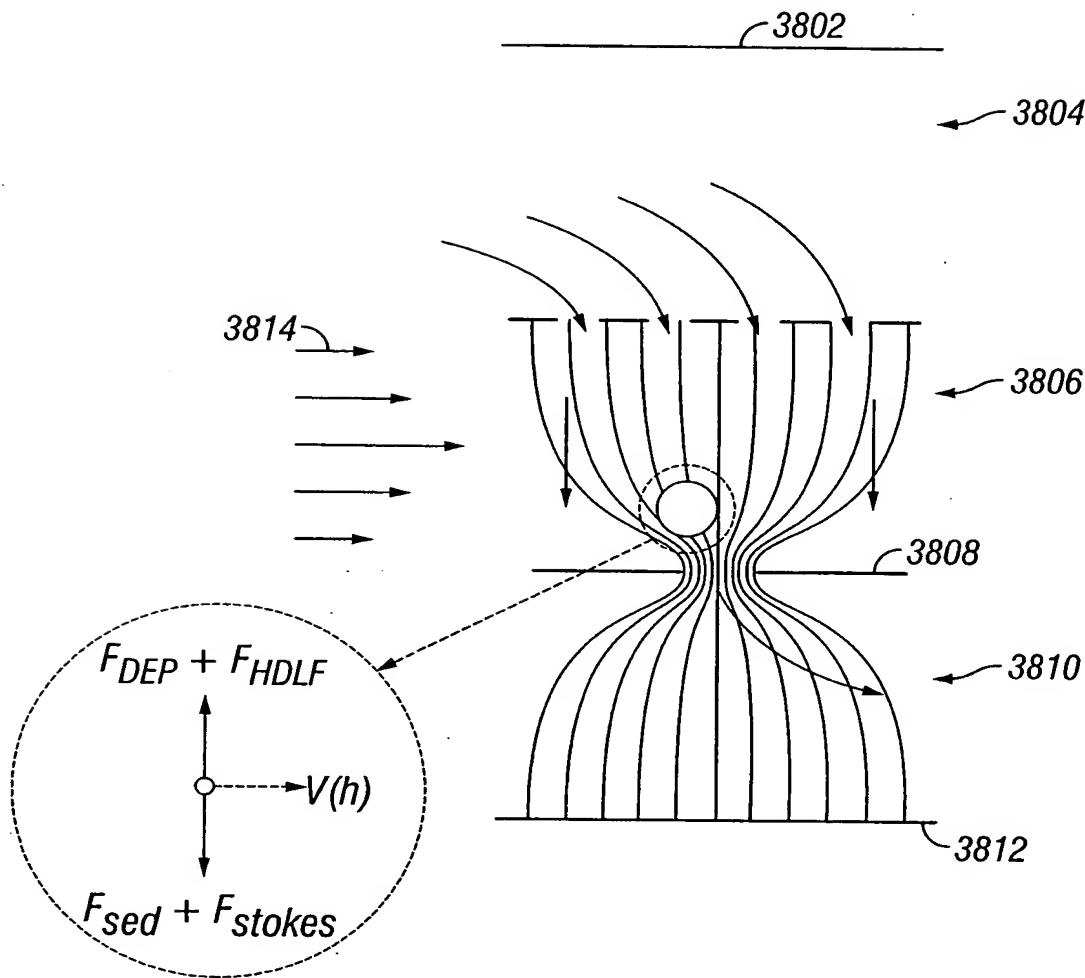
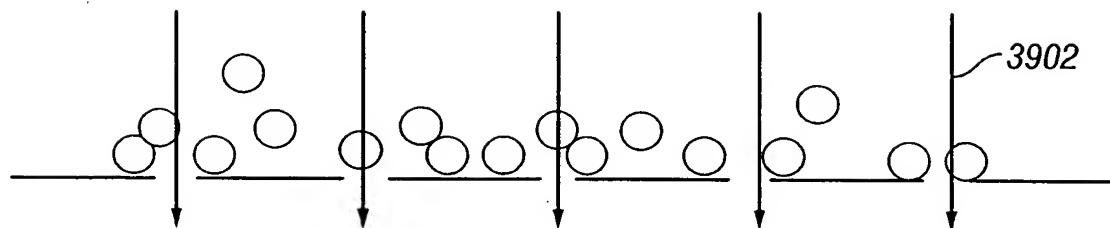
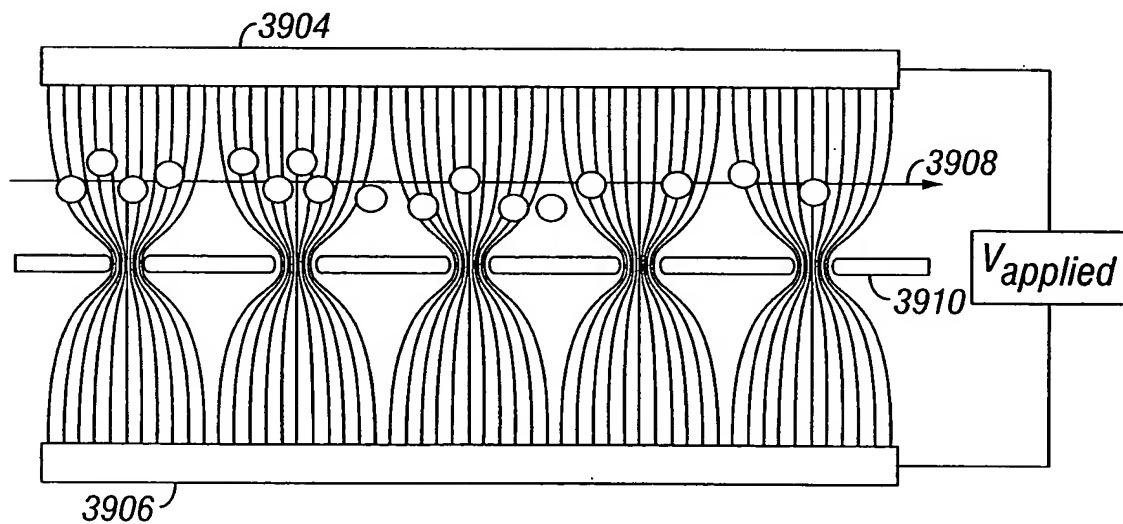


FIG. 38

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**FIG. 39A**



**FIG. 39B**

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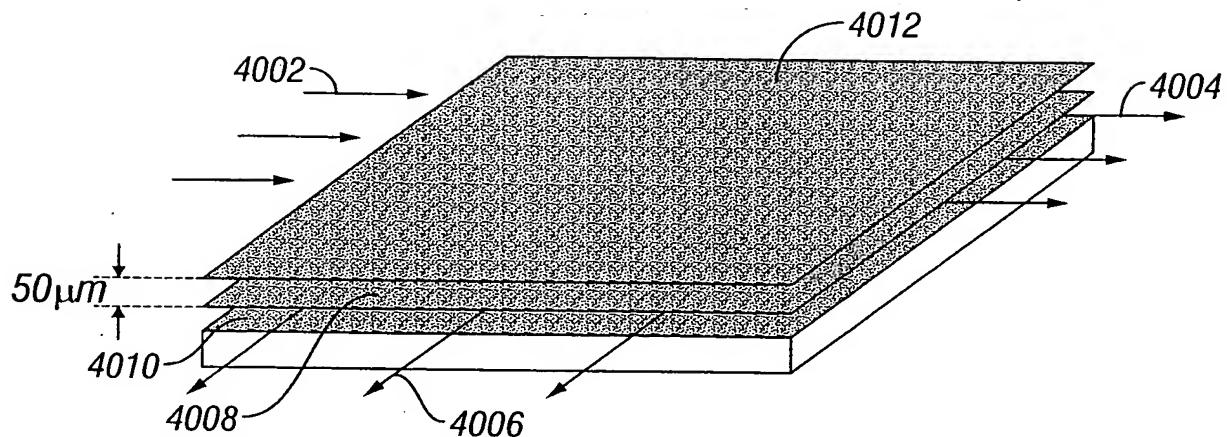


FIG. 40

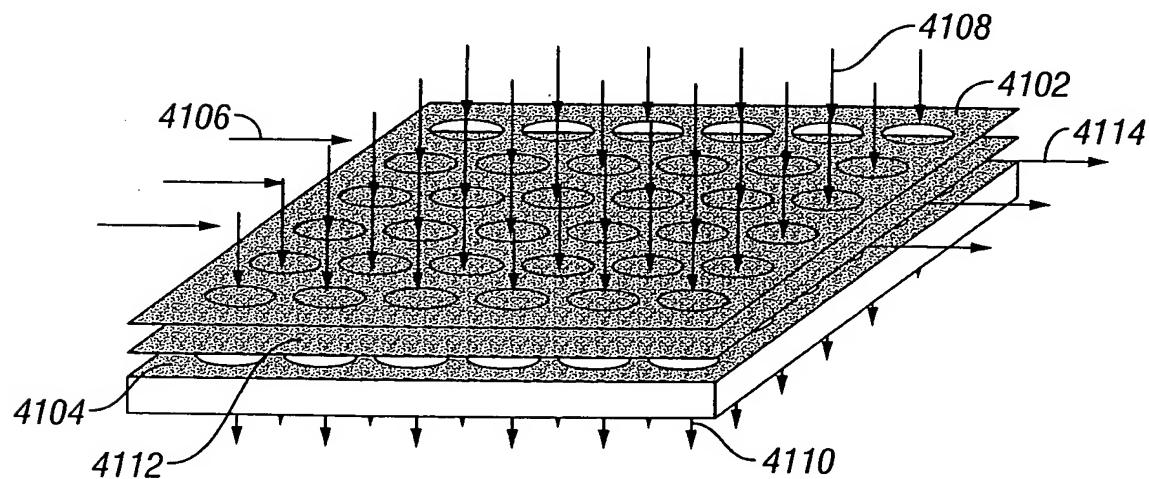
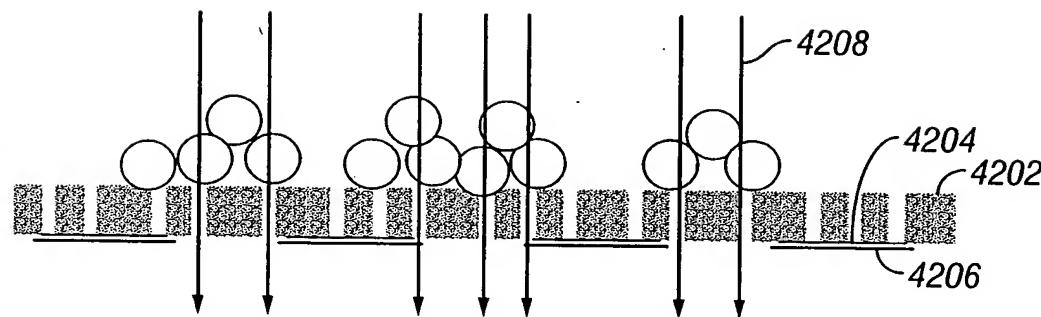
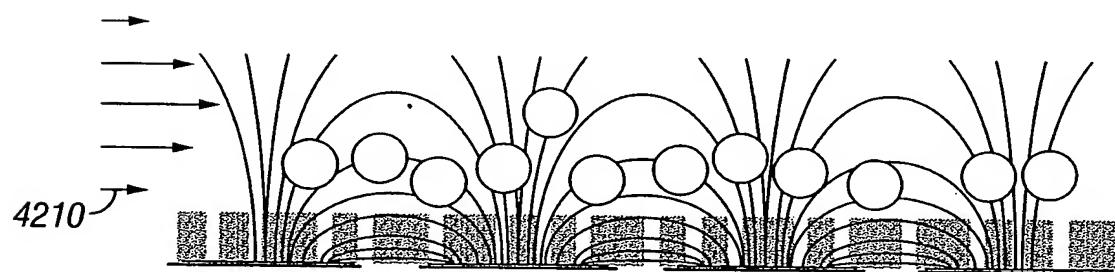


FIG. 41

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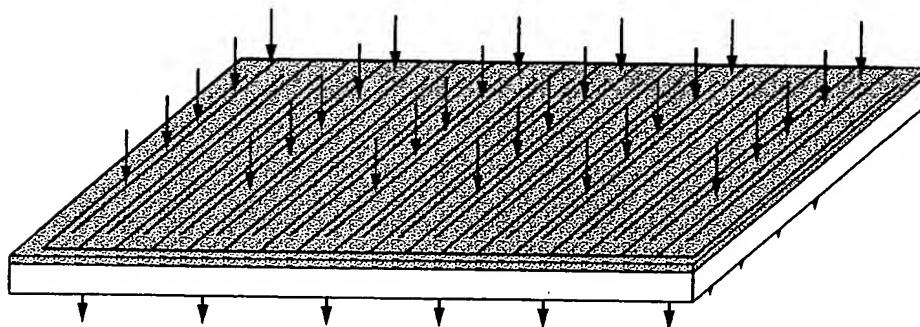


**FIG. 42A**

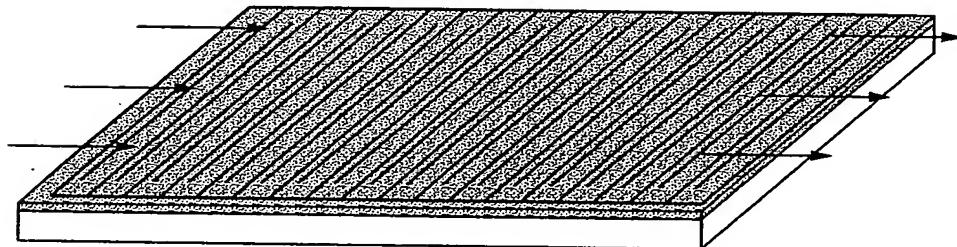


**FIG. 42B**

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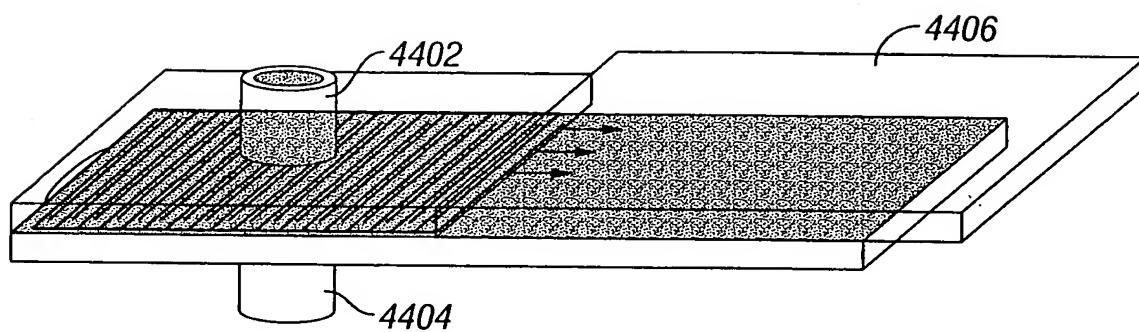


**FIG. 43A**

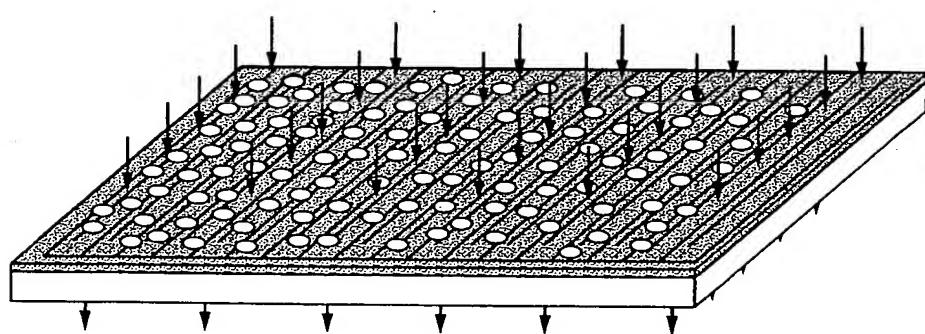


**FIG. 43B**

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**FIG. 44**



**FIG. 45A**

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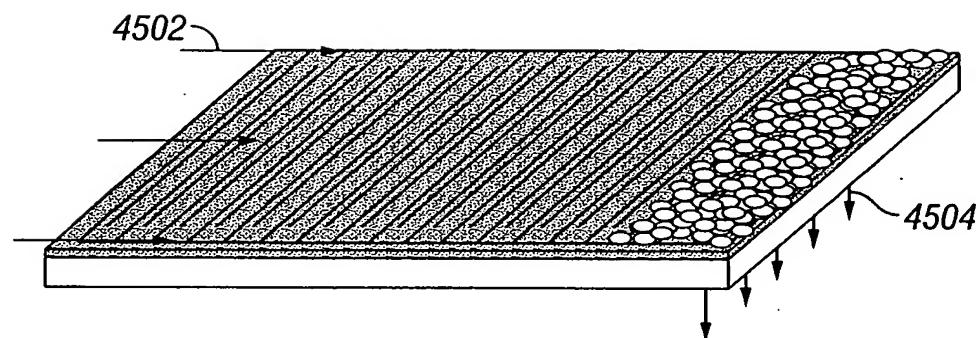


FIG. 45B

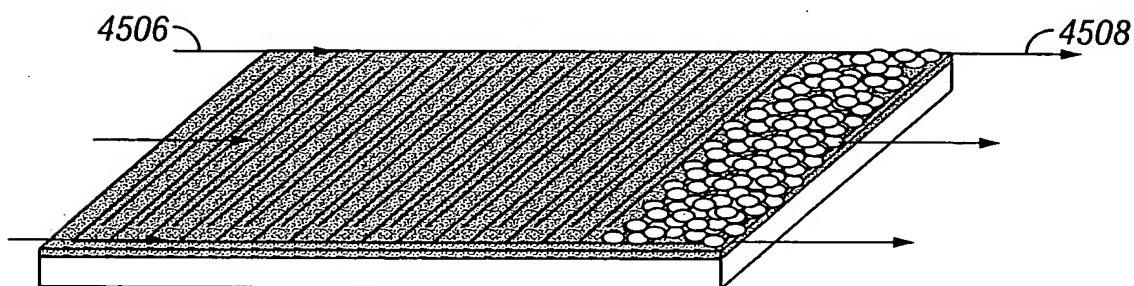
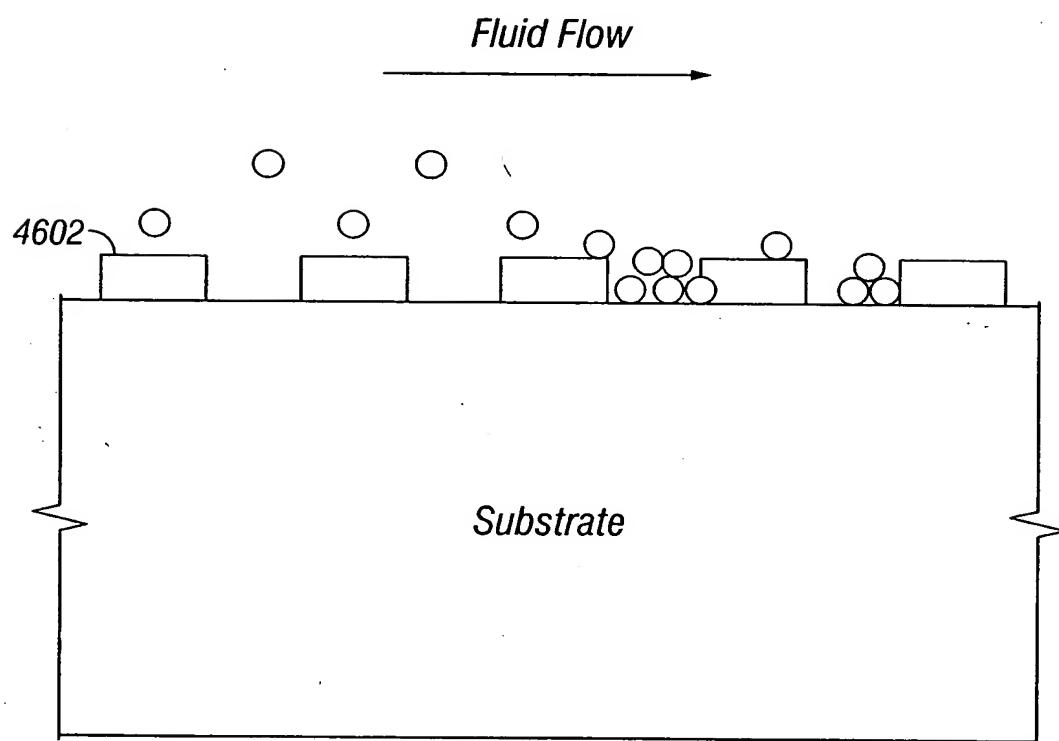


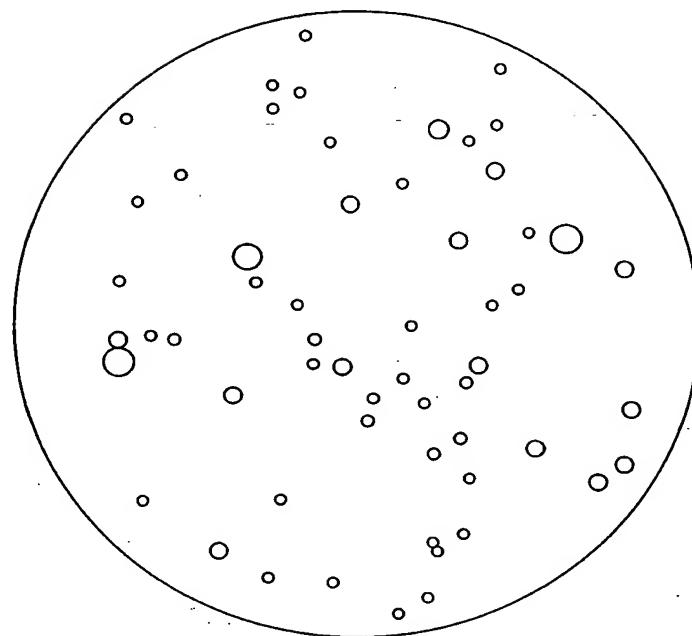
FIG. 45C

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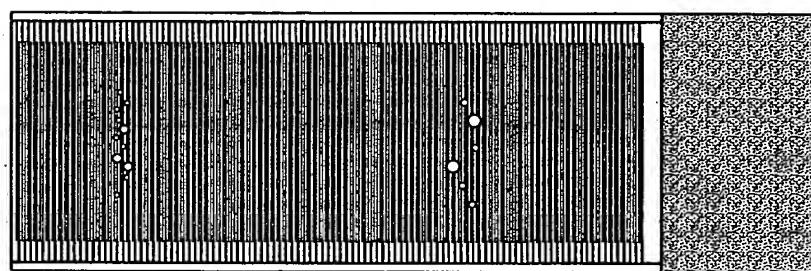


**FIG. 46**

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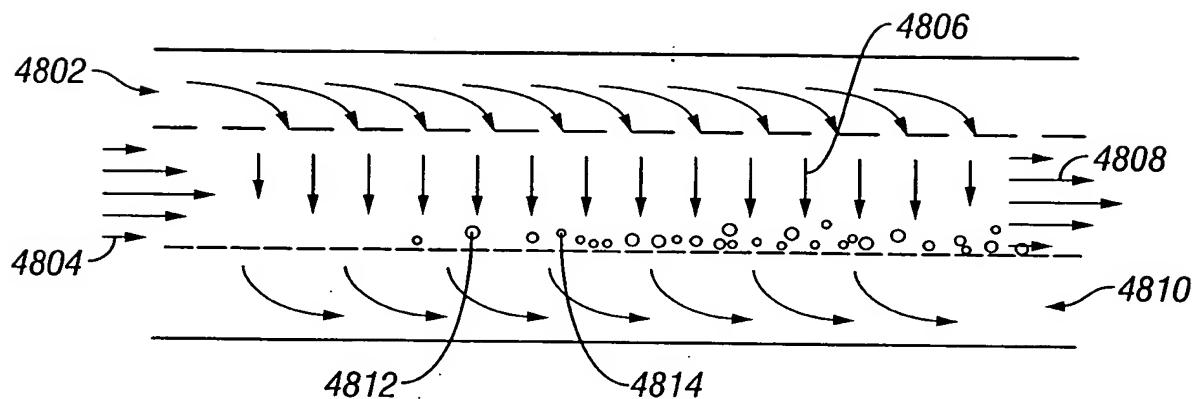


**FIG. 47A**

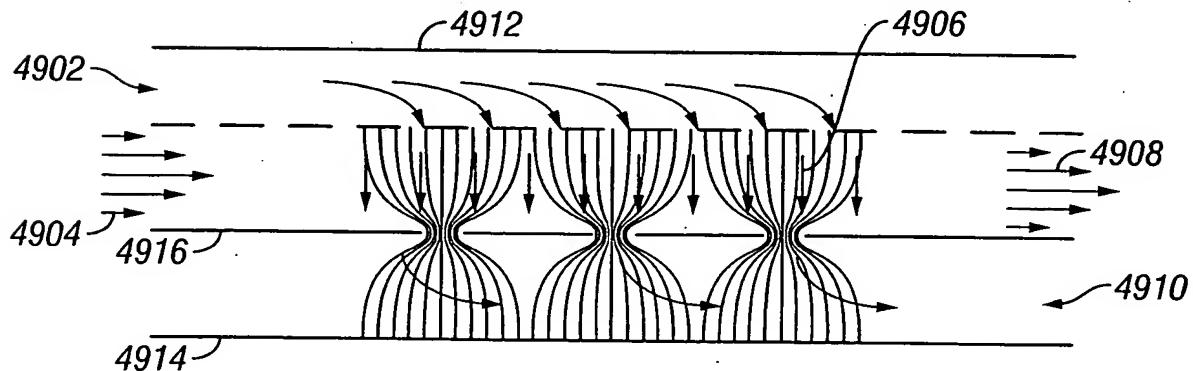


**FIG. 47B**

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**FIG. 48**



**FIG. 49**